

FIG. 1

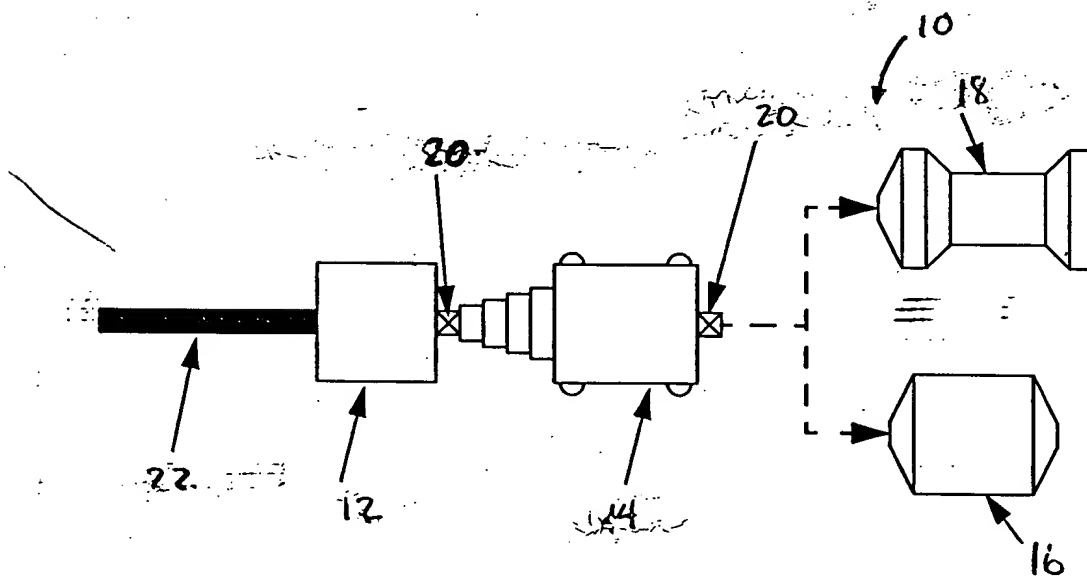


FIG. 2A

0047294-04400

Fig. 1 is a schematic diagram of a device 10. It includes a rectangular block 12, a horizontal rod 22 extending from its left side, and a small square component 20 on its right side. A dashed line indicates a cross-sectional view of the block 12, showing a central cylindrical cavity 16 and a conical plug 18 at the right end.

—

FIG. 2C

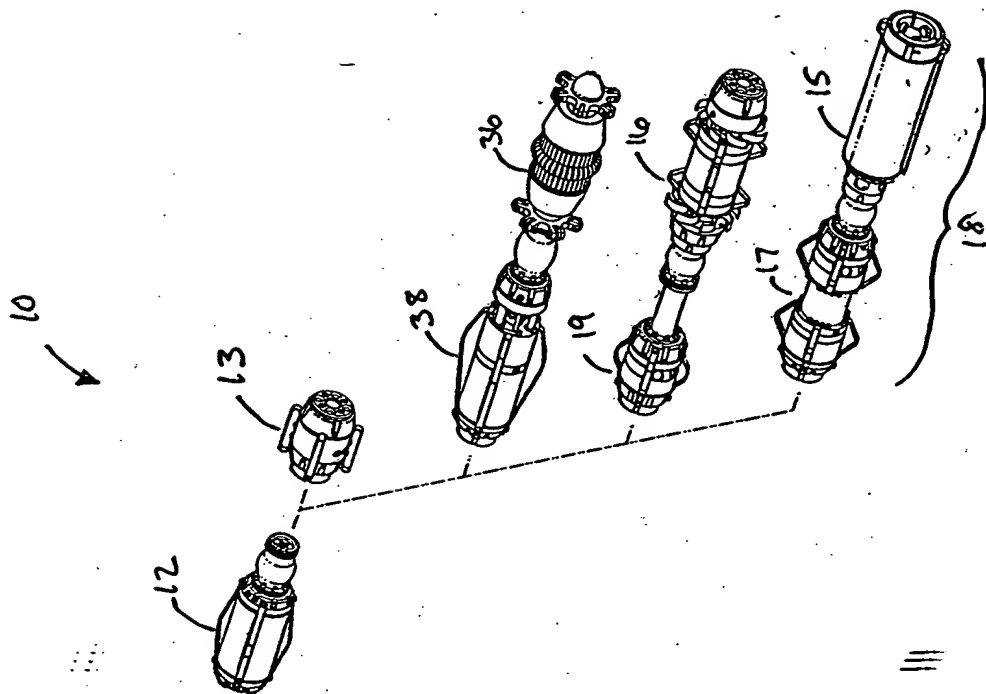


FIG. 2C

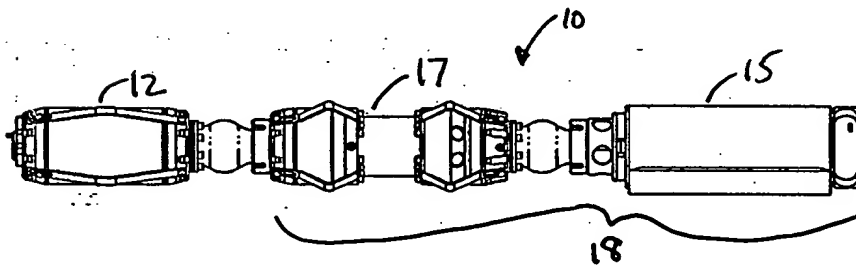
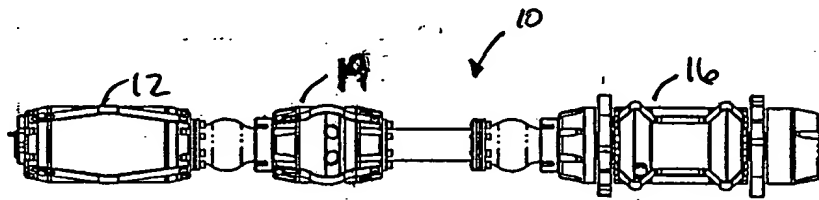
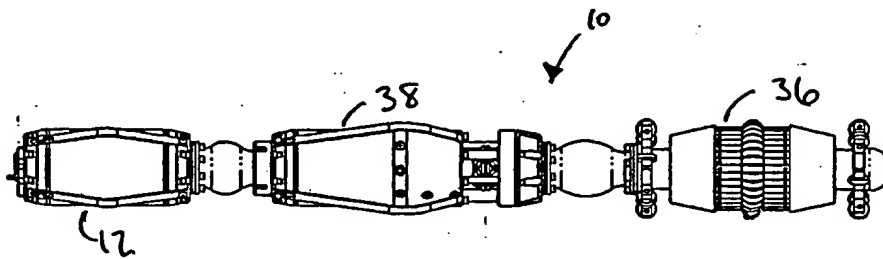
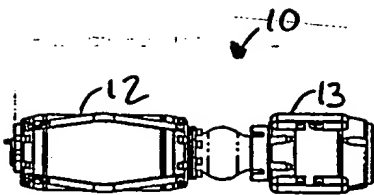


Figure	Figure	Figure	Figure	Figure	Figure	Figure	Figure	Figure	Figure
Figure 1	Figure 2	Figure 3	Figure 4	Figure 5	Figure 6	Figure 7	Figure 8	Figure 9	Figure 10

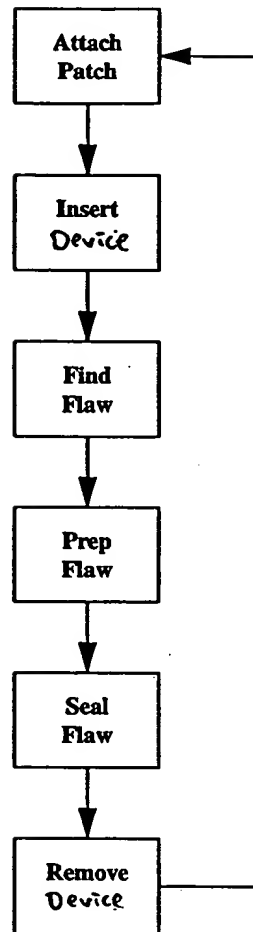


FIG. 3

## Module Interchange Task Flow

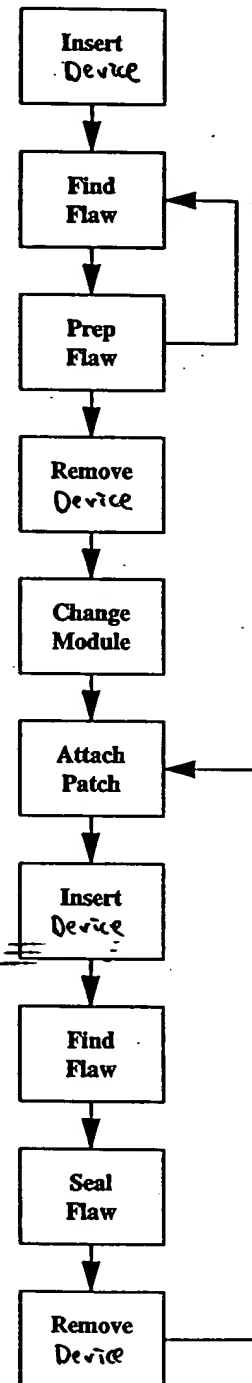


FIG. 4)

24

COILED-TUBING UNIT

26

USER INTERFACE

28

COILED-TUBING UNIT

LIVE PIPE-ACCESS SYSTEM

30

32

COILED-TUBING PIPING

34

MODULAR INTERFACE CONNECTOR

VIDEO INSPECT

TOOLING

MODULES

LOCATE FLAW & REPAIR

12

14

16

BRUSH

MFL

36

38

10

FIG. 5

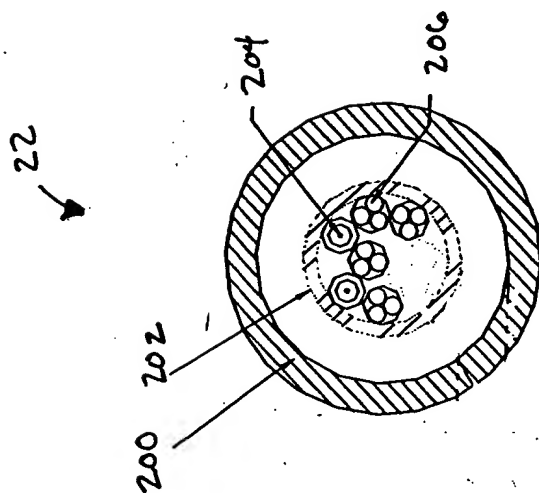


FIG. 5A

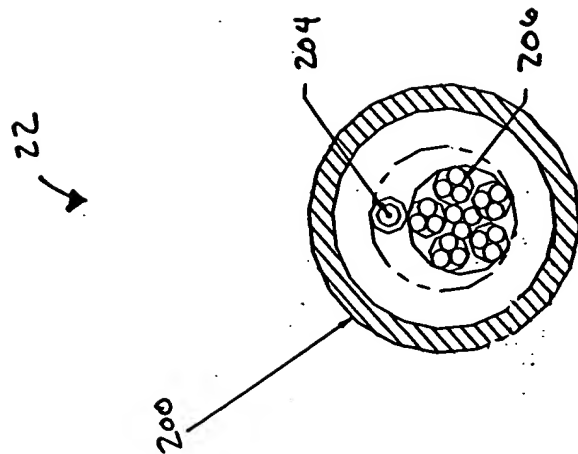


FIG. 5B

FIG. 30

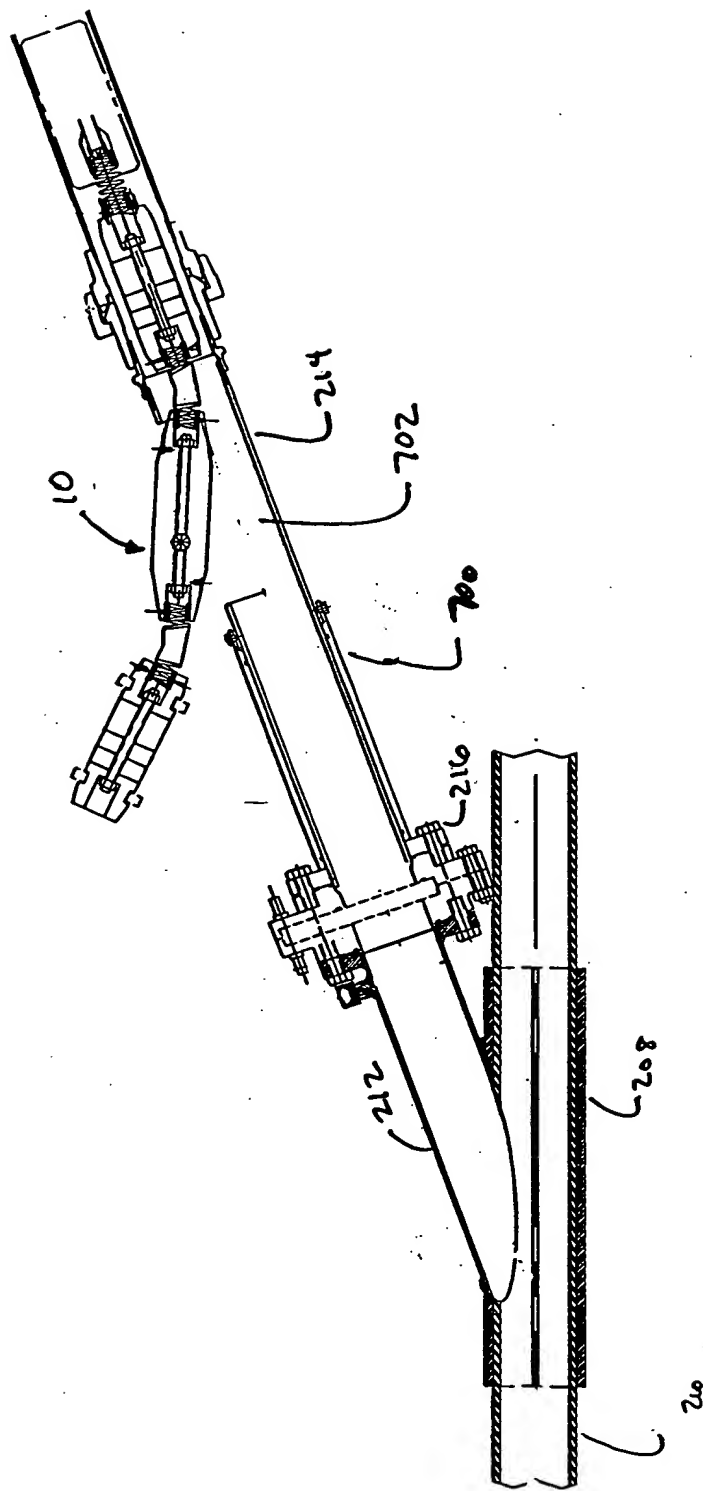


FIG. 5C



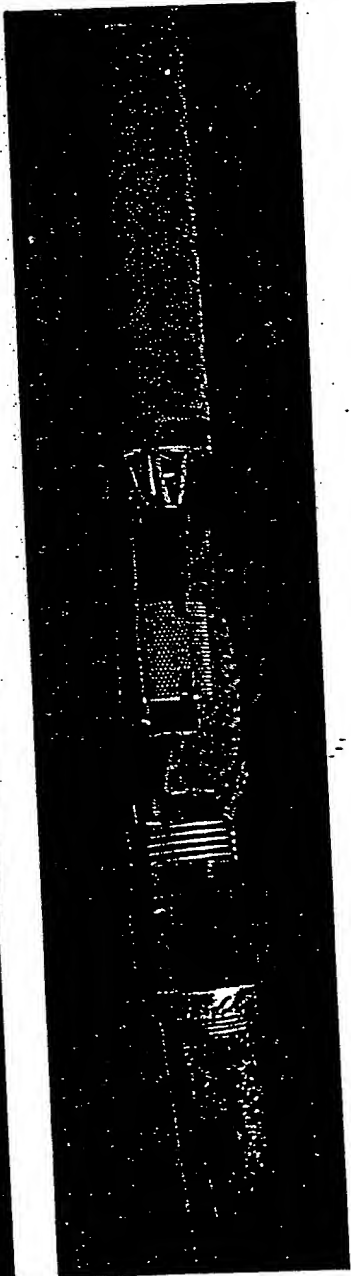
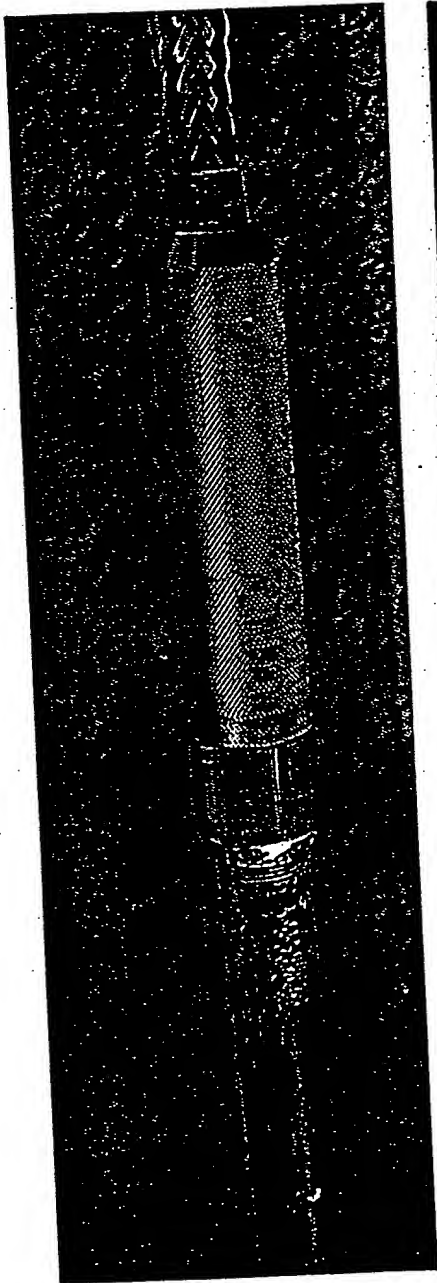
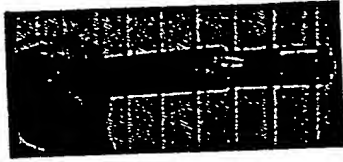
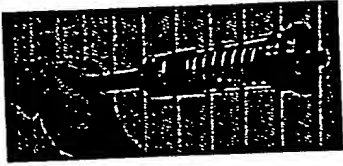


FIG. 5D

00547284-004100

FIG. 5E

26

218

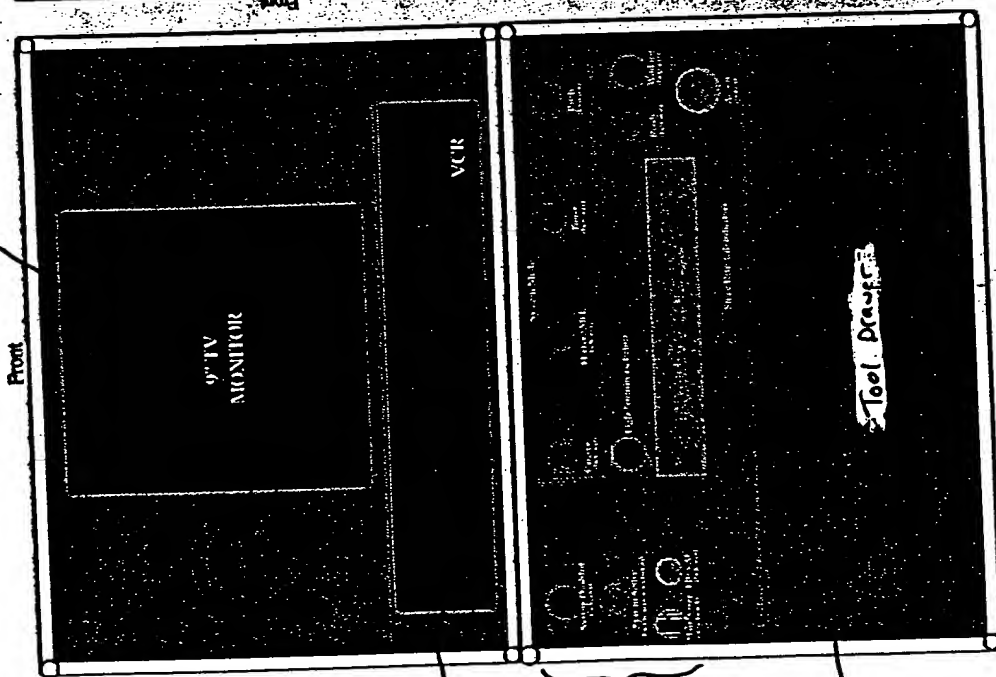


FIG. 5E

218

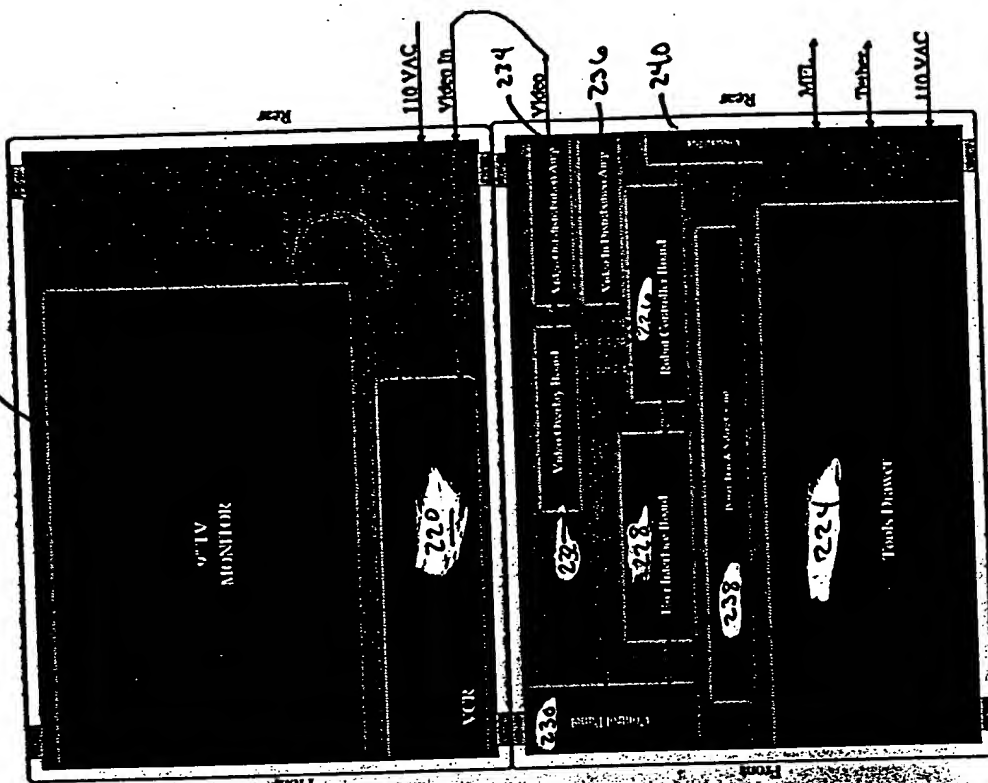


FIG. 5F

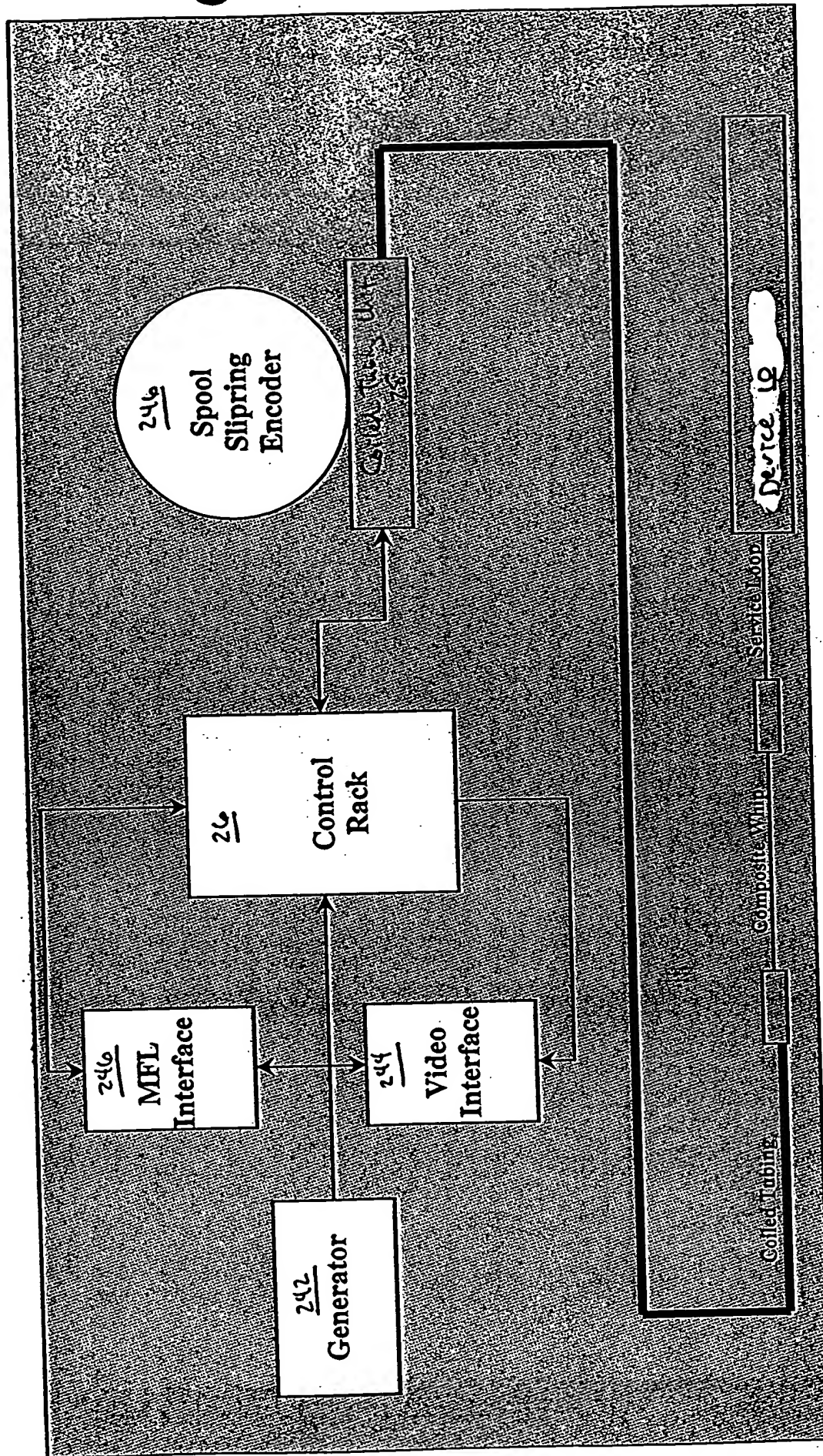


FIG. 56

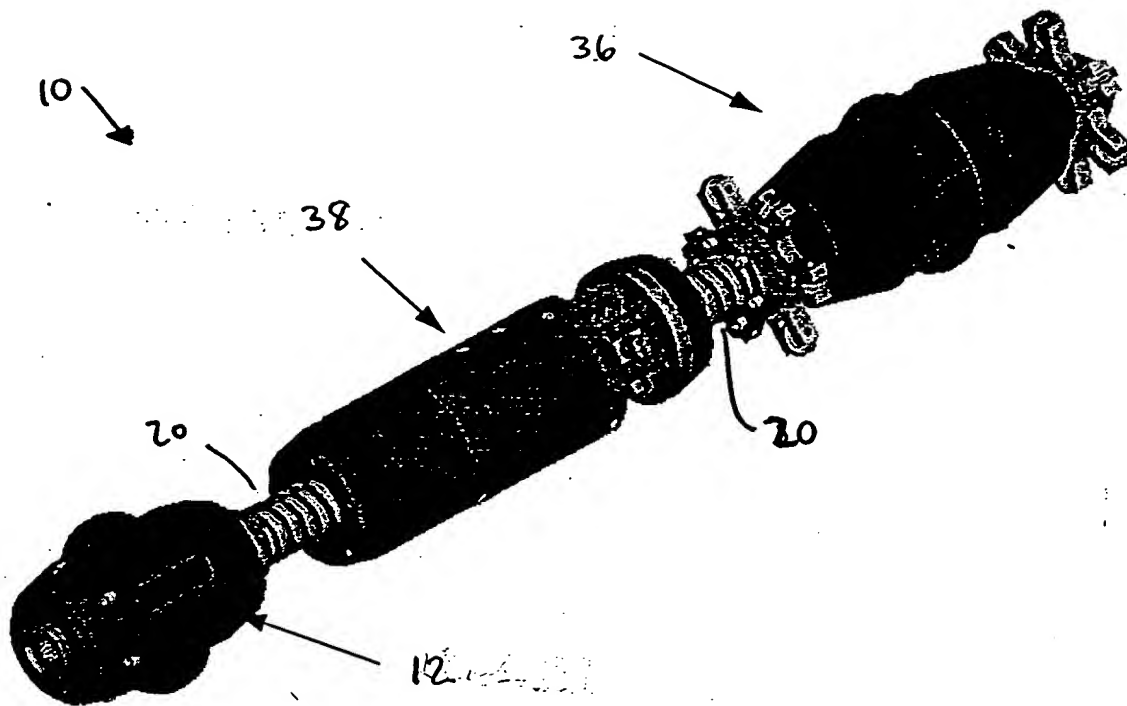


FIG. 6

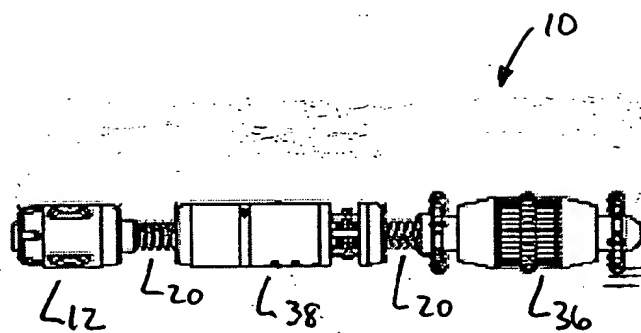


FIG. 7

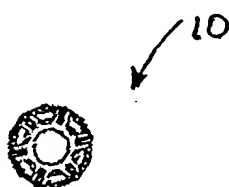


FIG. 8

00000-13224500

000000-18224560

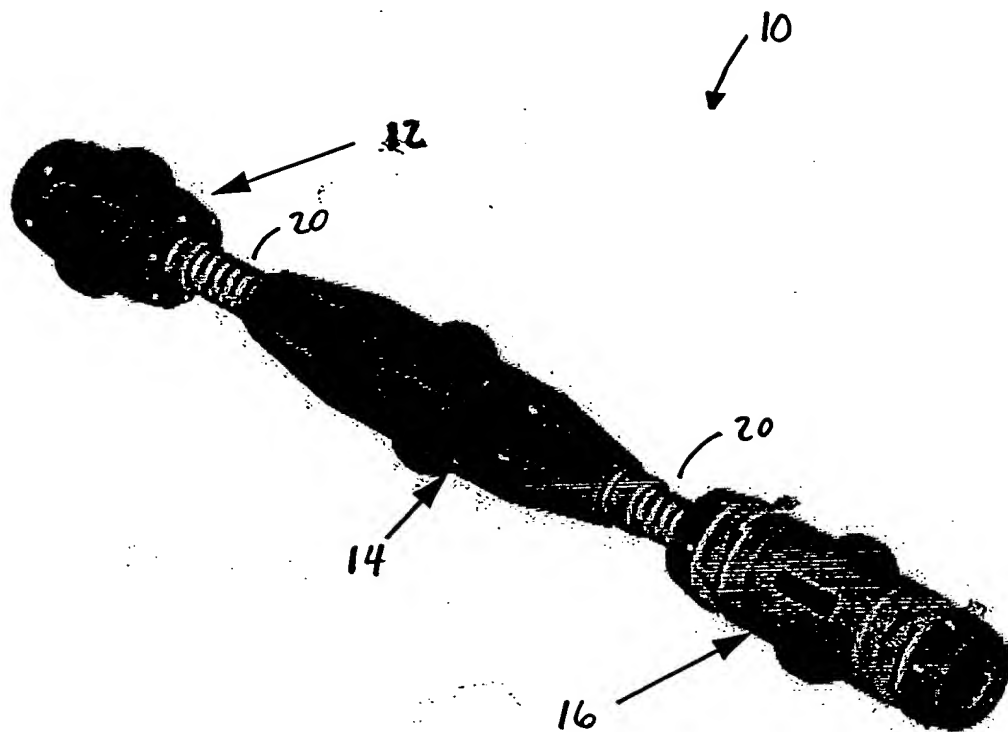


FIG. 9

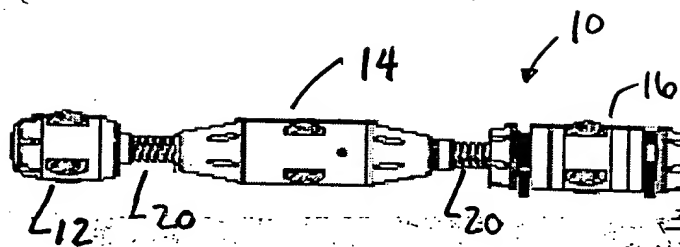


FIG. 10



FIG. 11

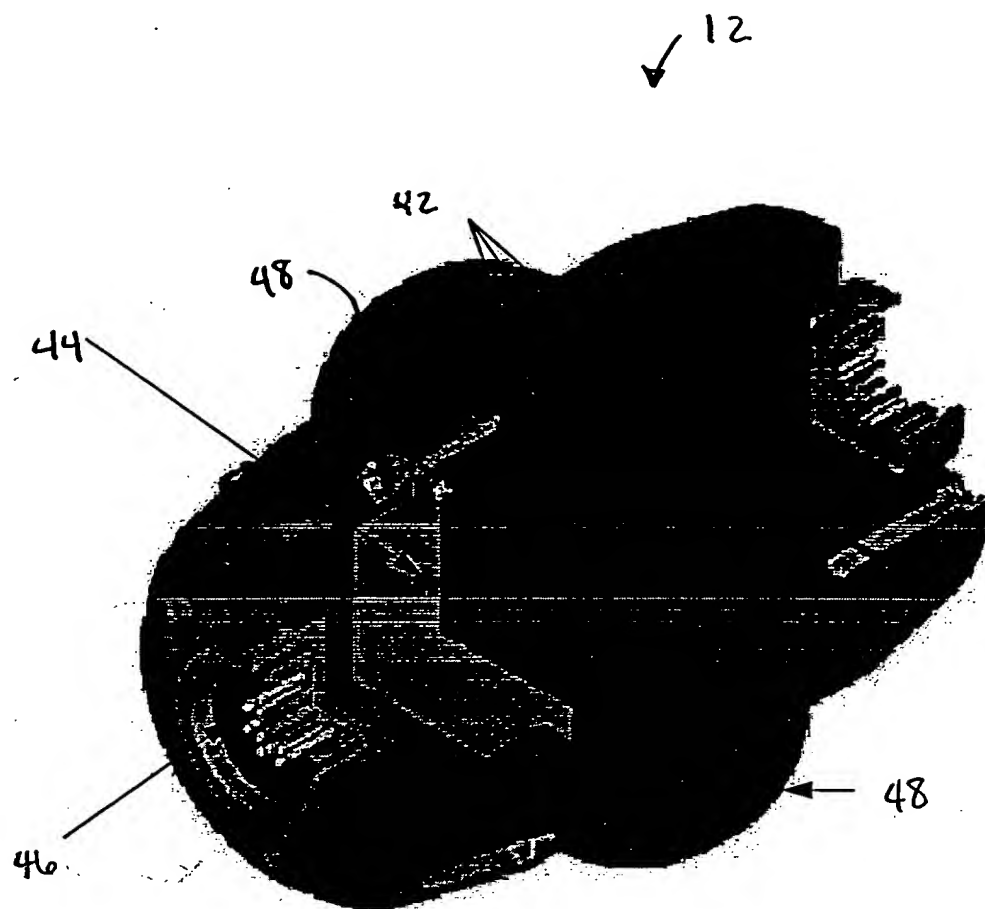


FIG. 12

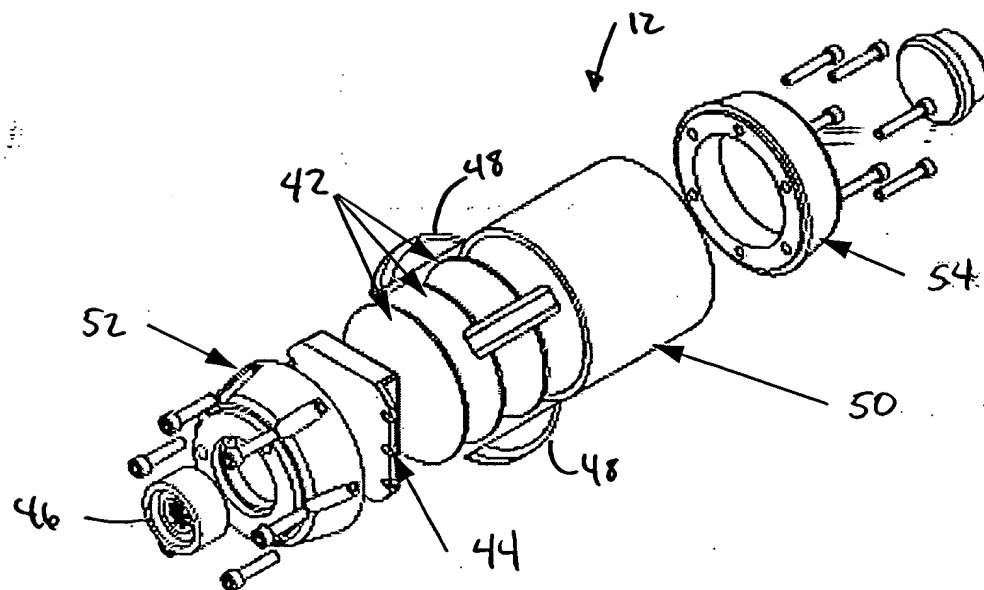


FIG. 13

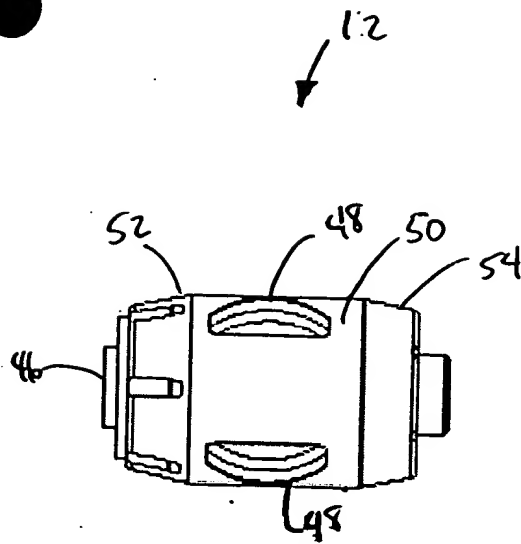


FIG. 14

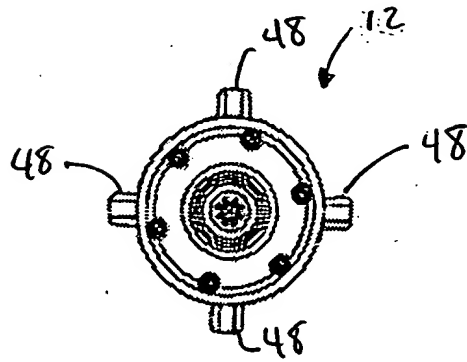
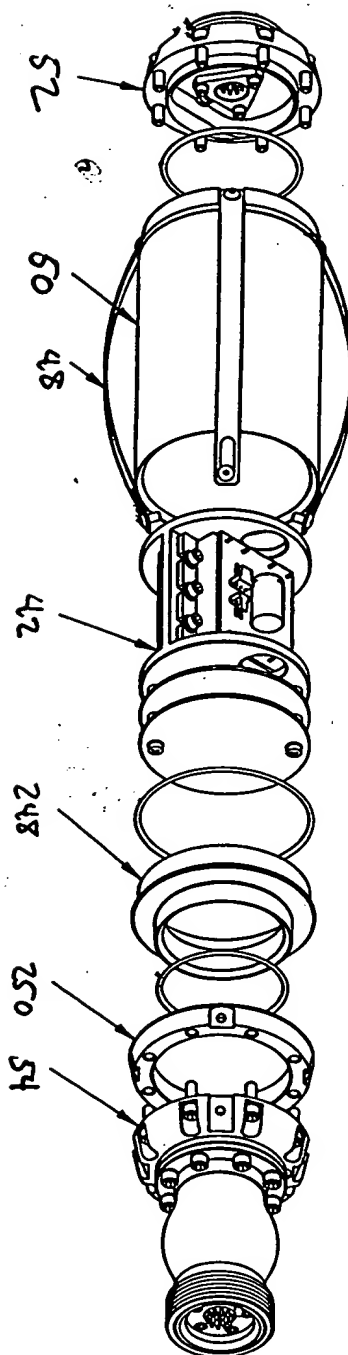


FIG. 15

00110-1324550

[illegible]

FIG. 15A



12



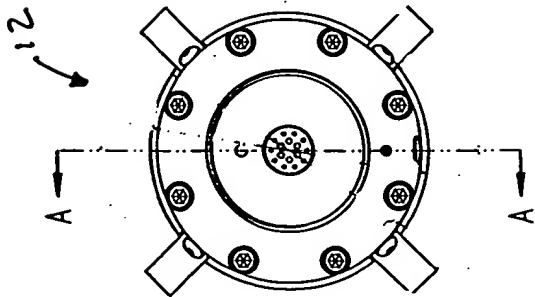


FIG. 15C

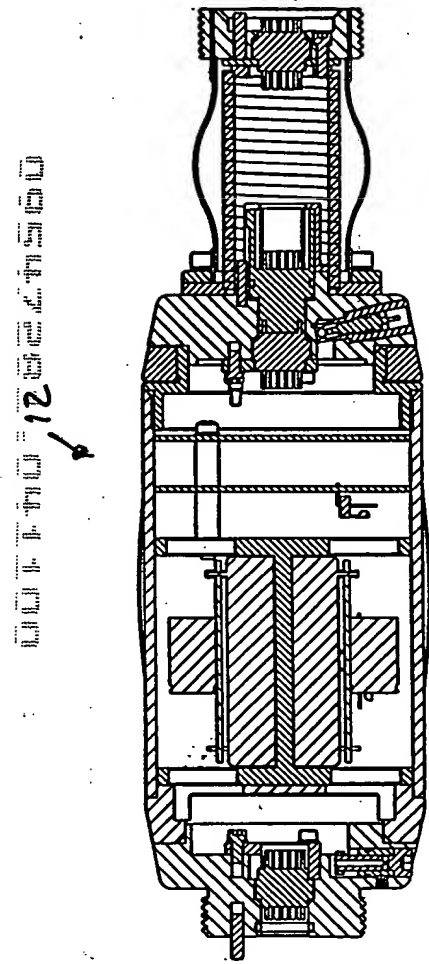


FIG. 15B

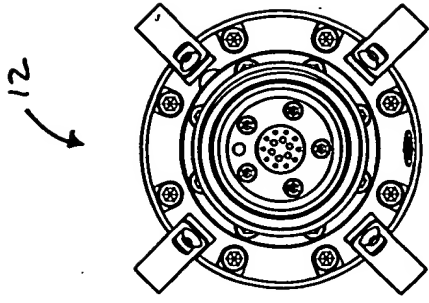


FIG. 15D

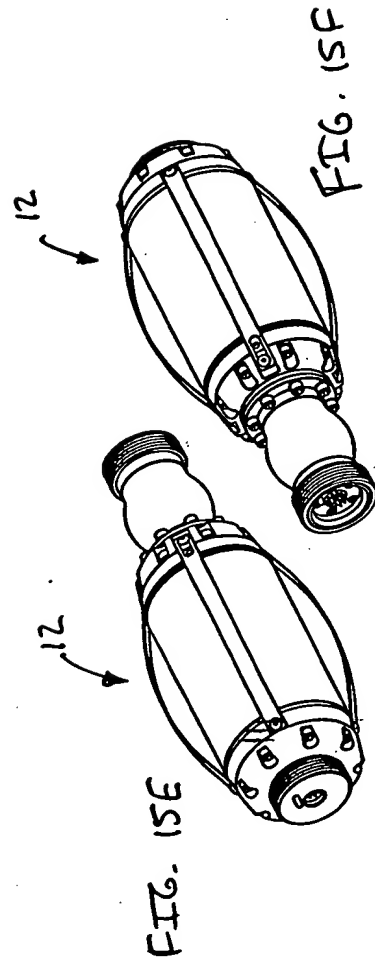
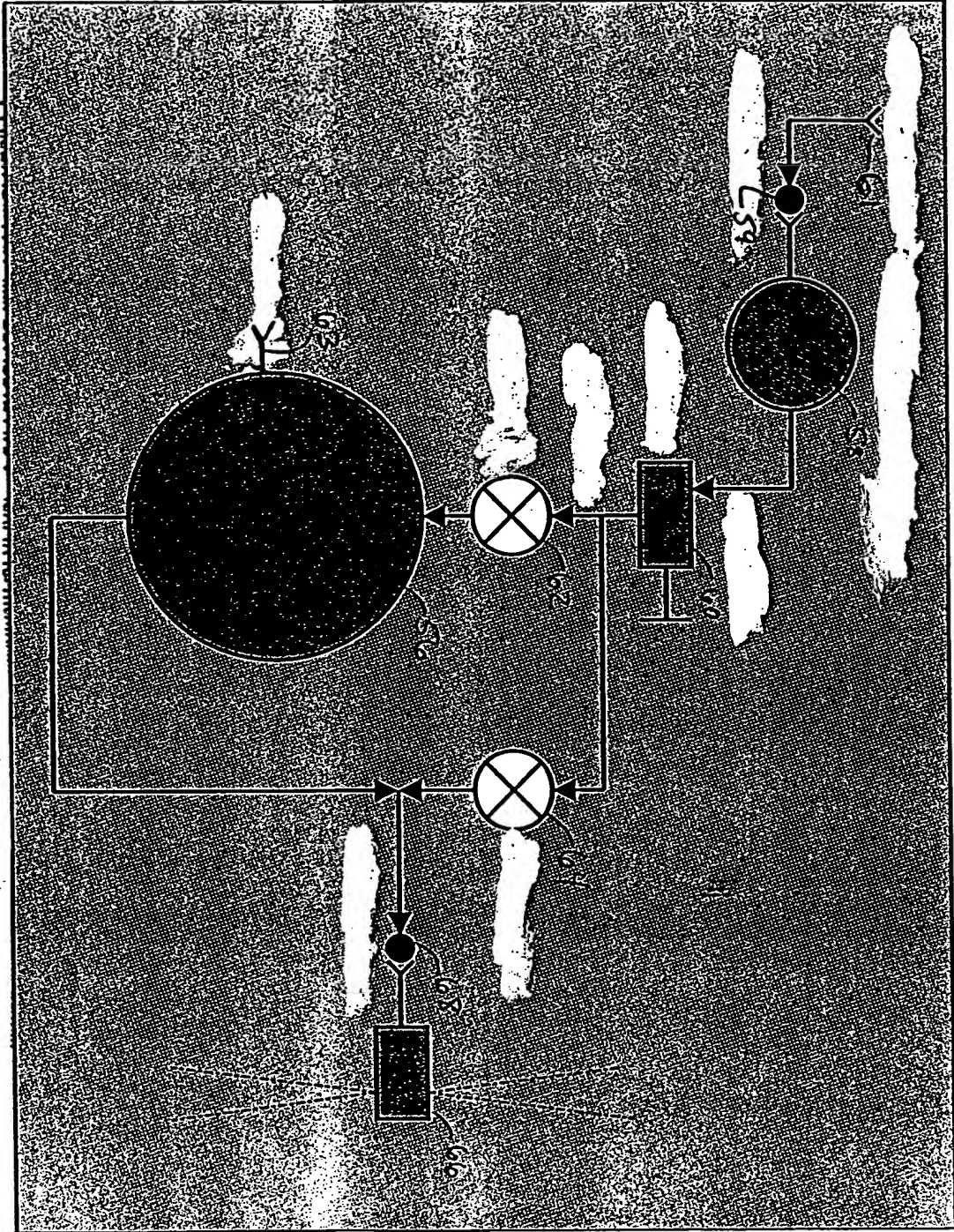


FIG. 15E

FIG. 15F

FIG. 4



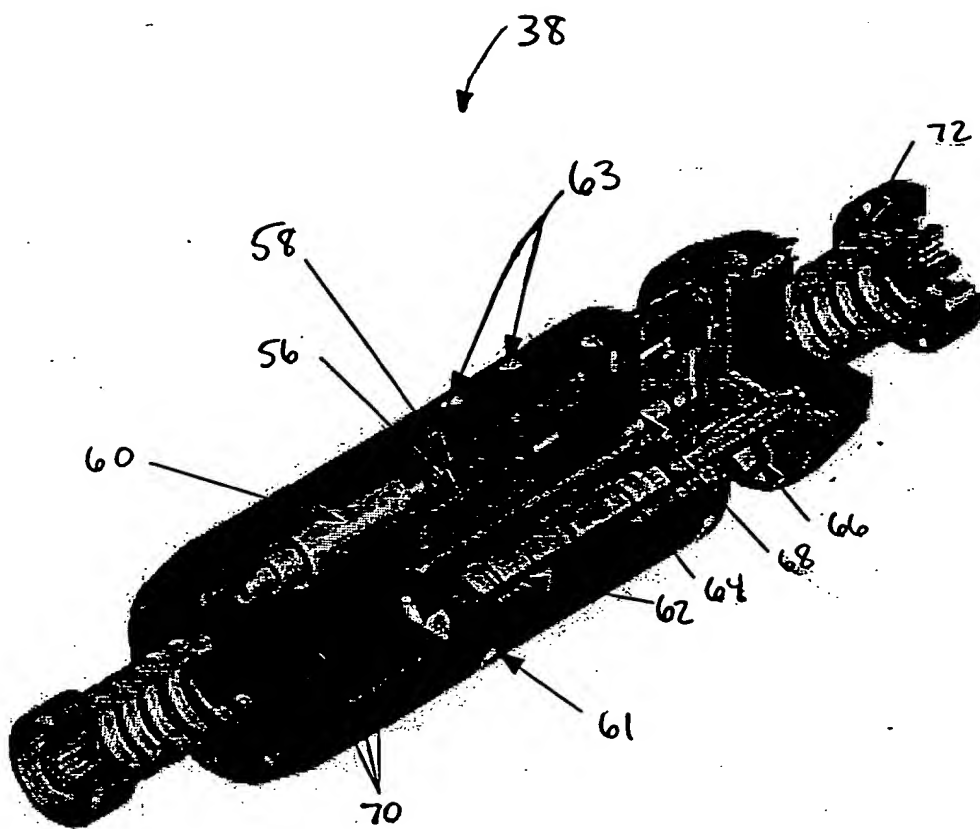


FIG. 17

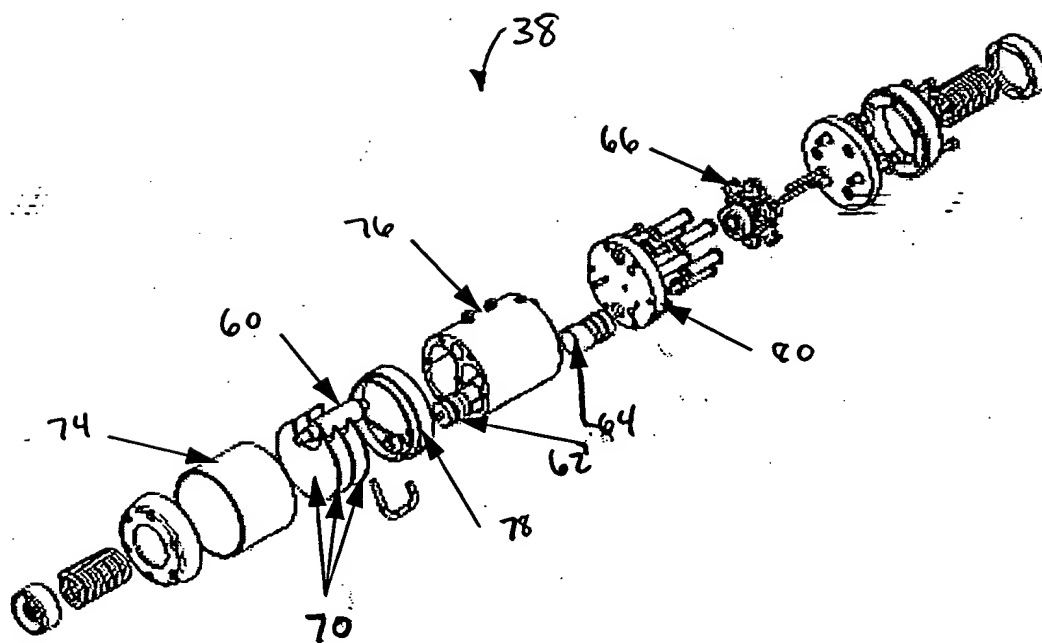


FIG. 18

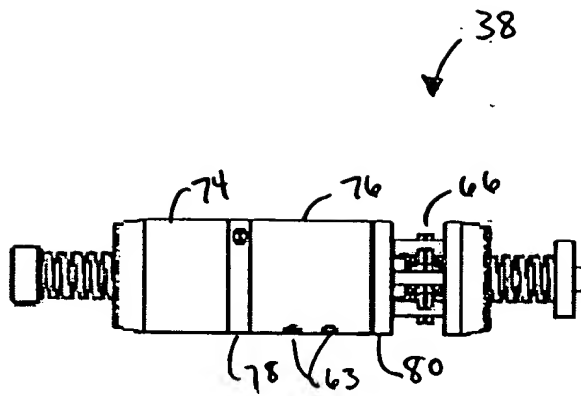


FIG. 19

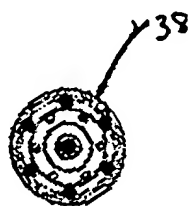


FIG. 20

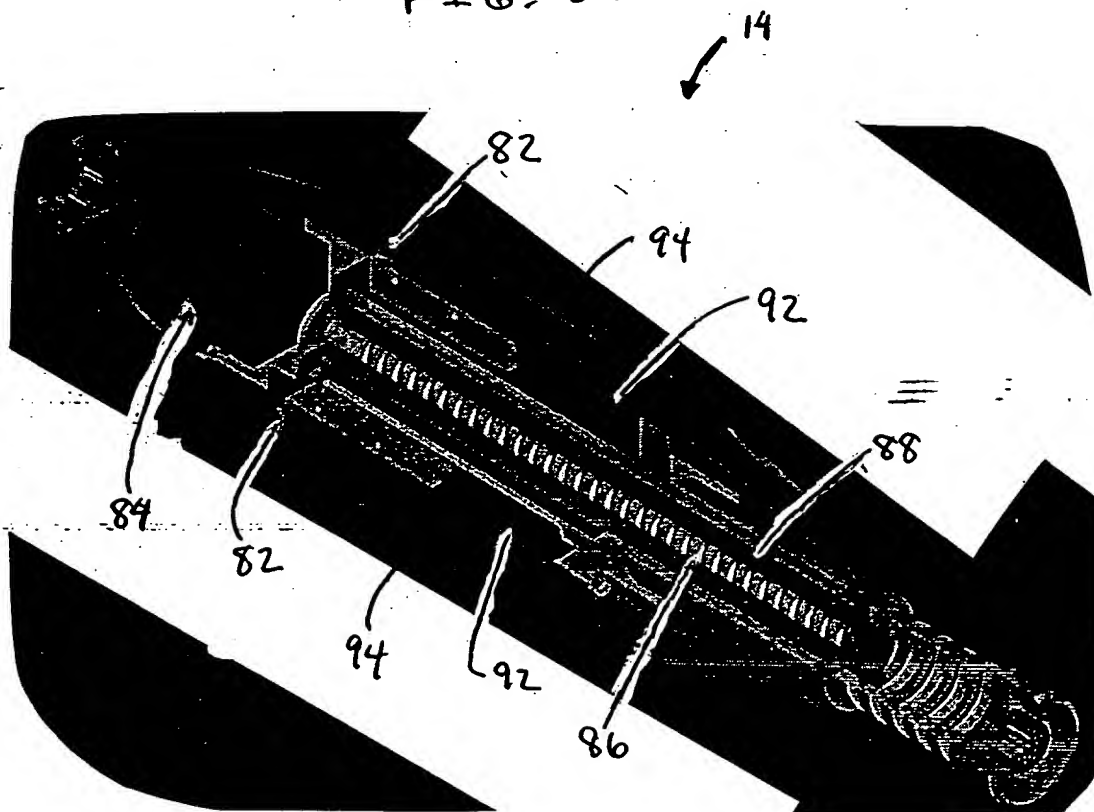


FIG. 21

FIG. 20A

38

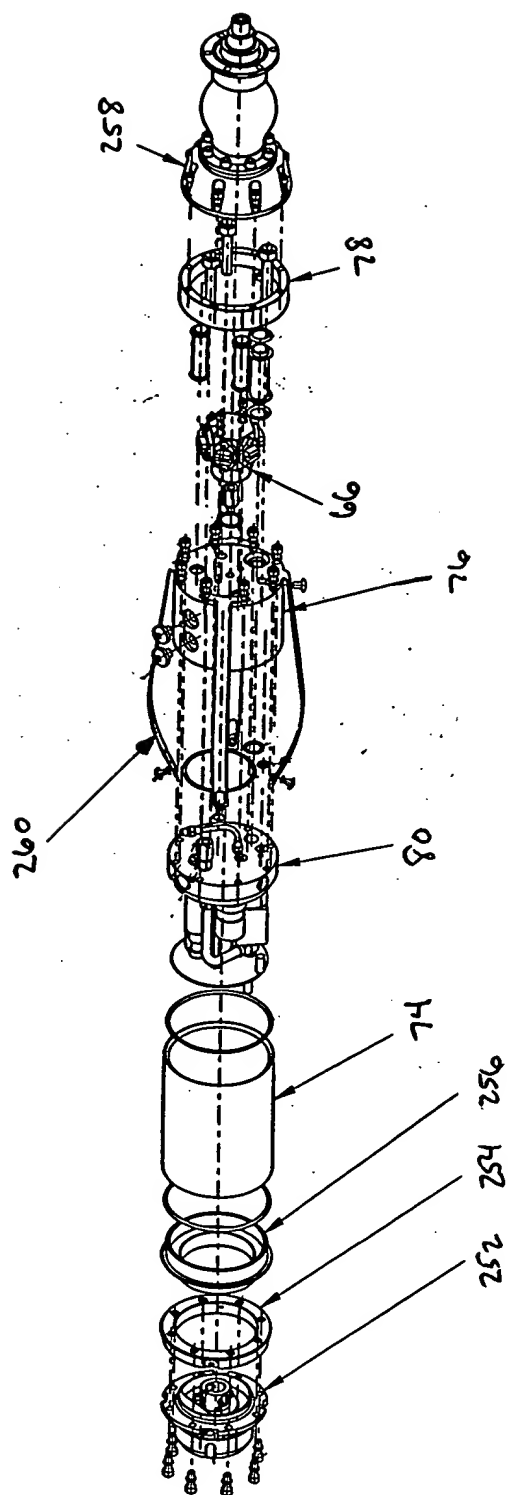


FIG. 20A

FIG. 20C

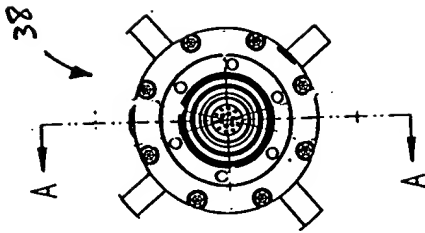


FIG. 20B

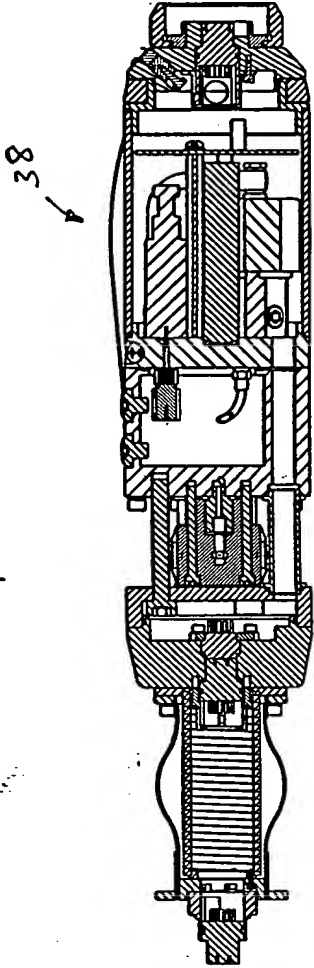


FIG. 20D

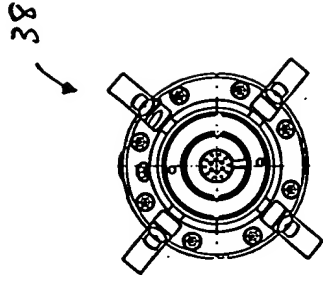


FIG. 20E

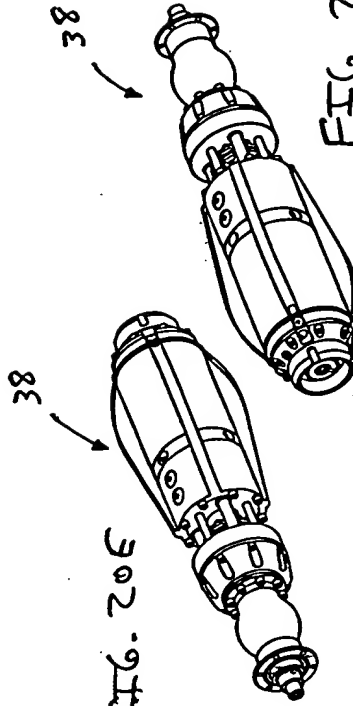
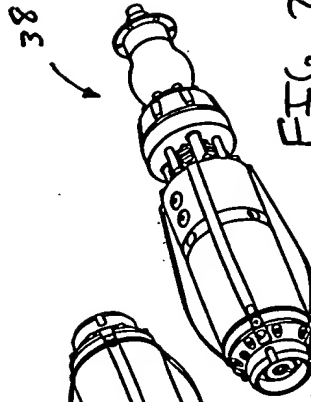


FIG. 20F



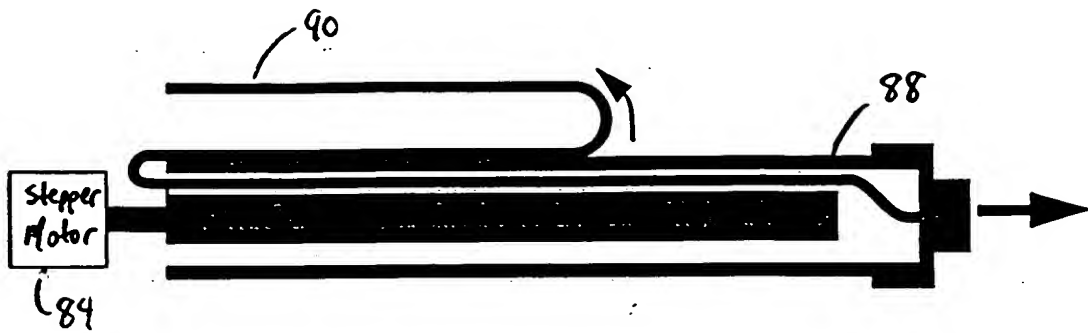


FIG. 22

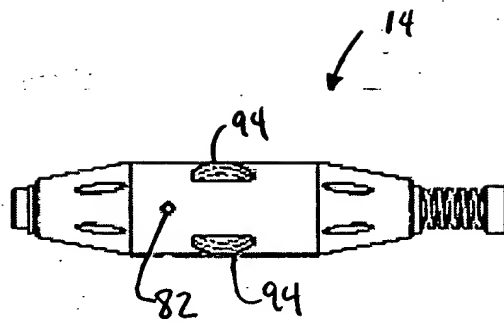


FIG. 23

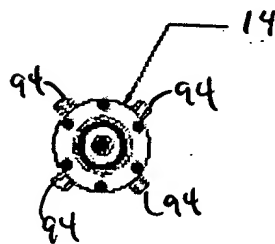


FIG. 24





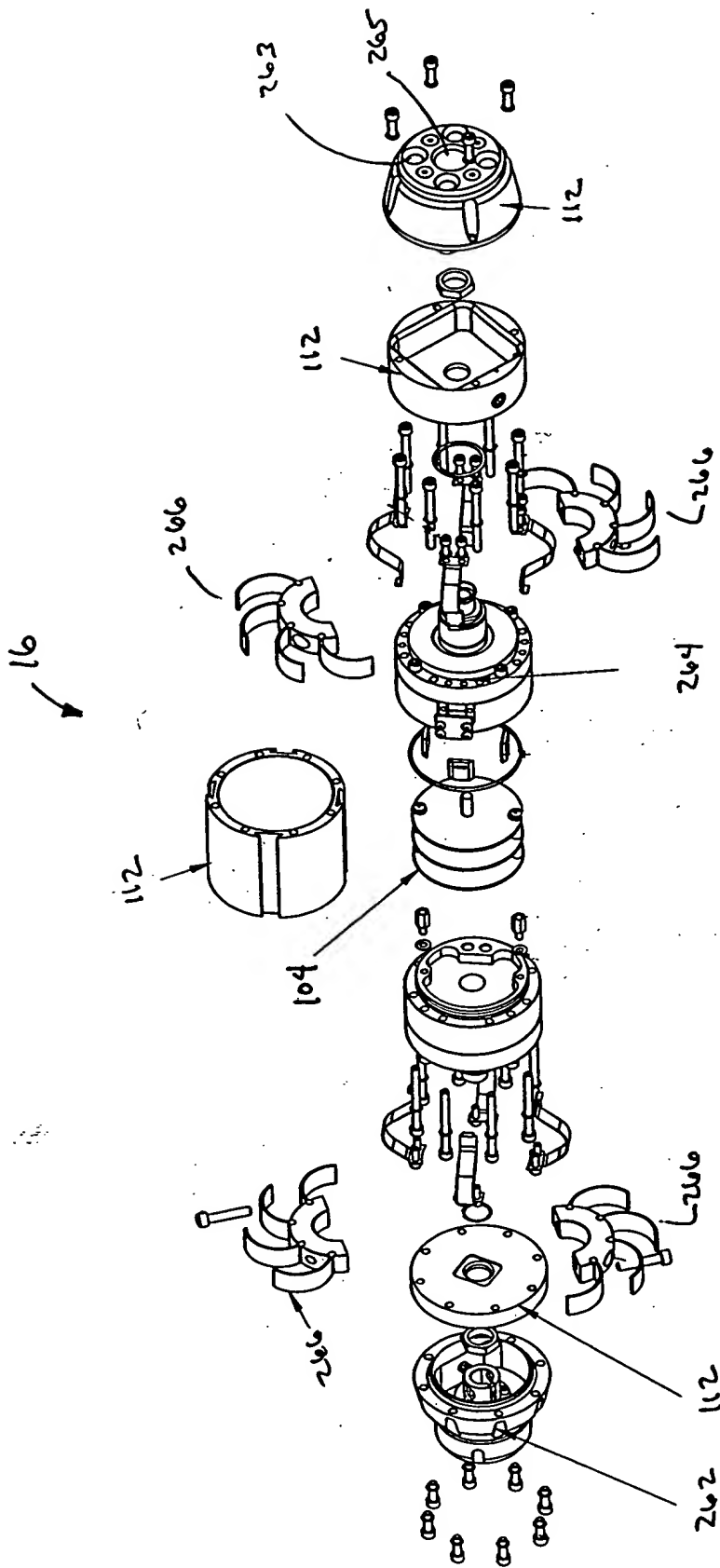


FIG. 28A

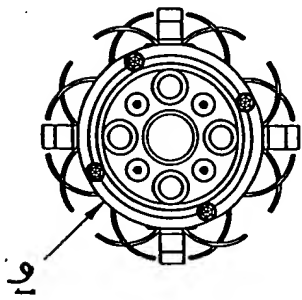


FIG. 28D



FIG. 28B

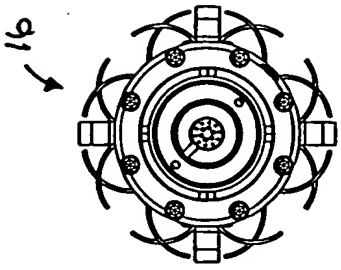


FIG. 28E

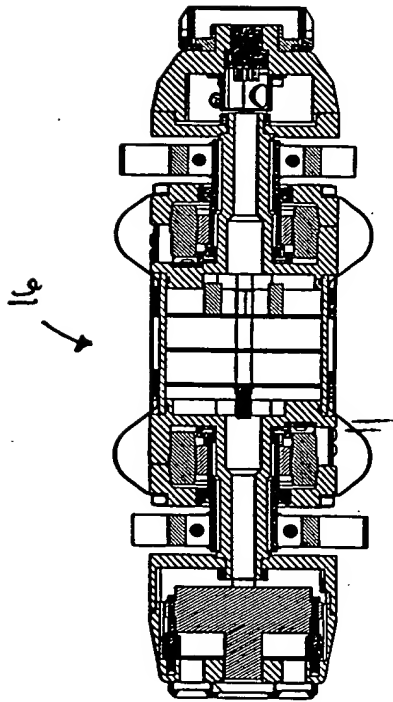


FIG. 28C

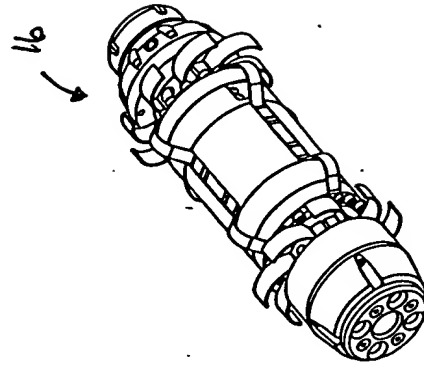


FIG. 28F

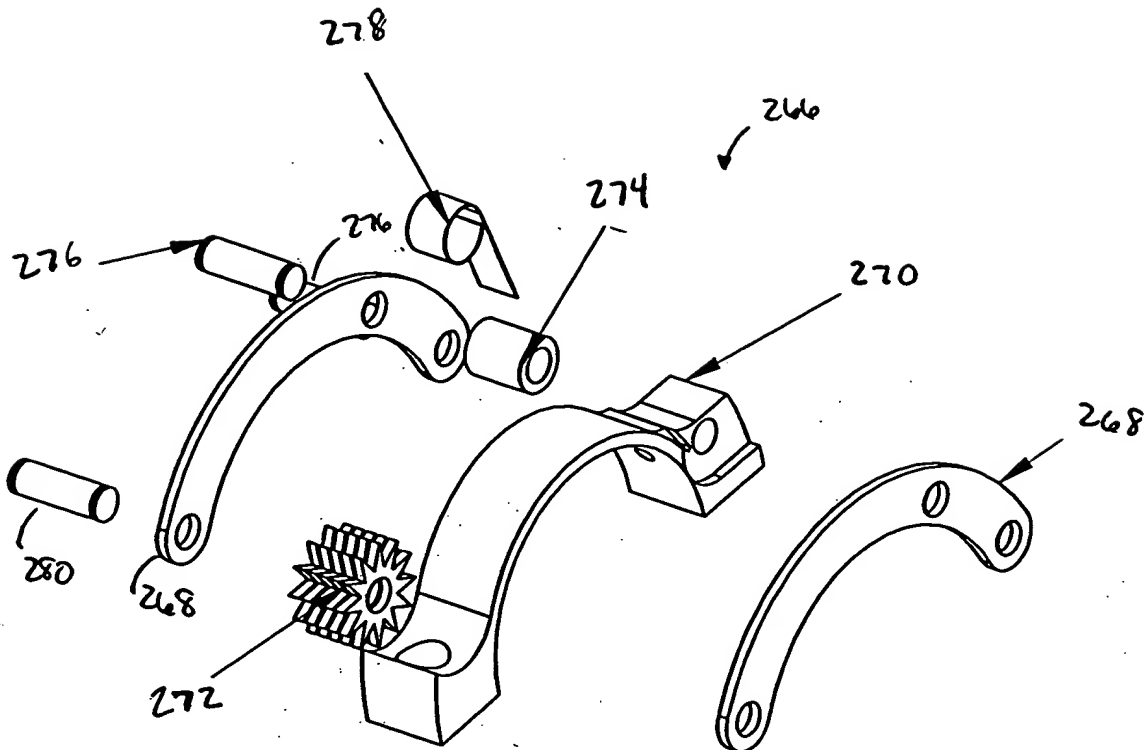
[illegible]

FIG. 28G

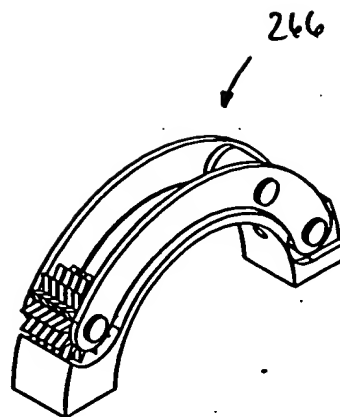


FIG. 28I

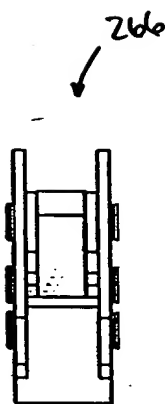


FIG. 28J

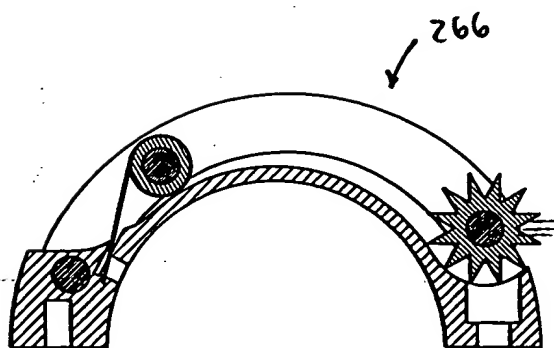


FIG. 28H

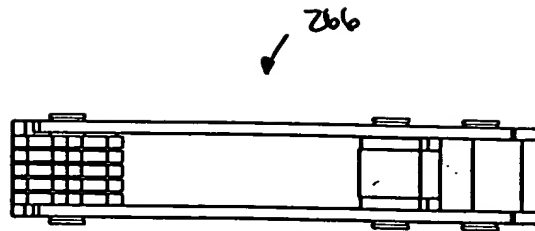


FIG. 28L

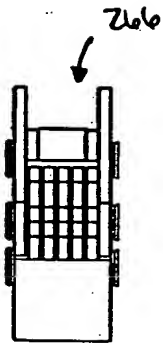


FIG. 28K

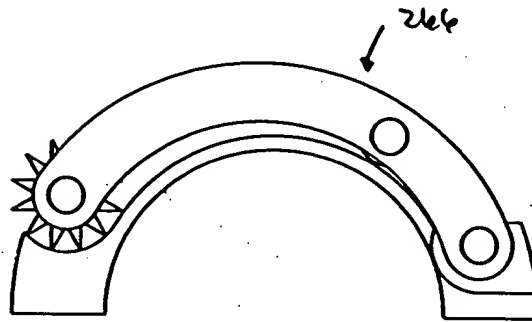
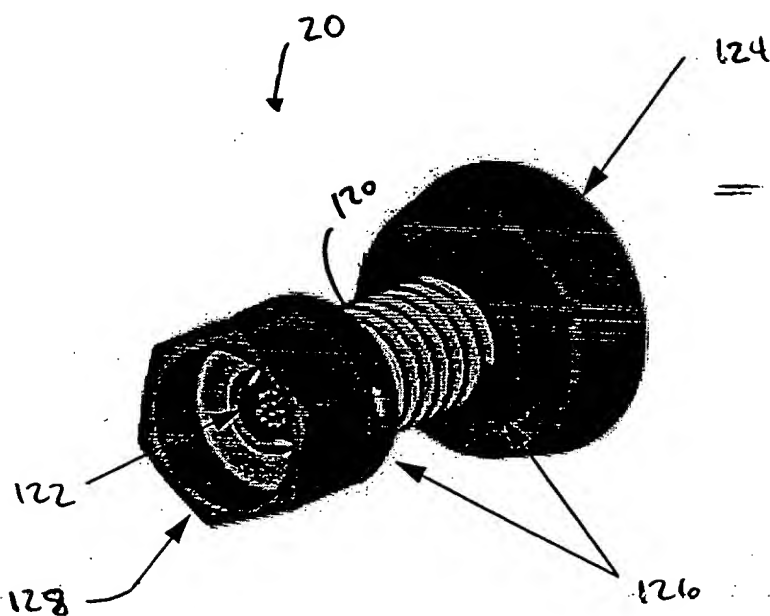
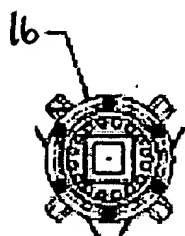
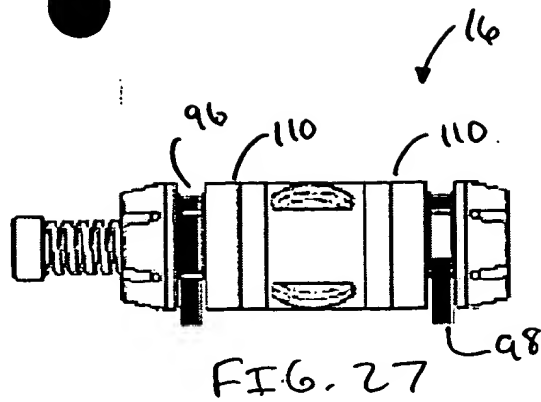


FIG. 28M



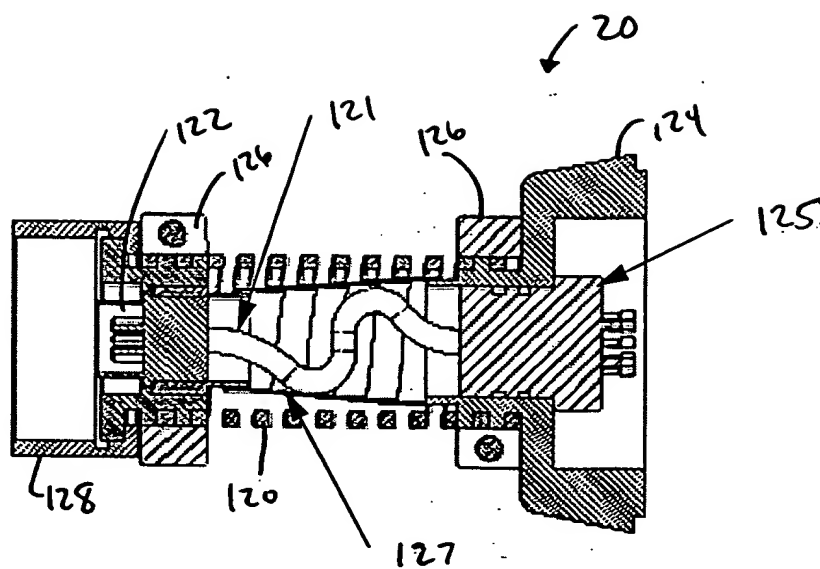


FIG. 30

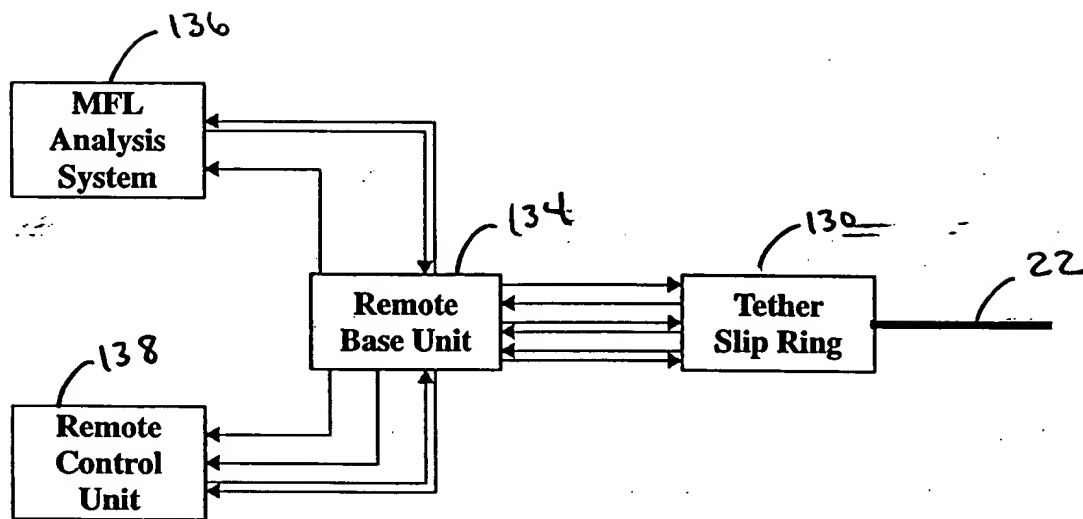


FIG. 31

Figure 1

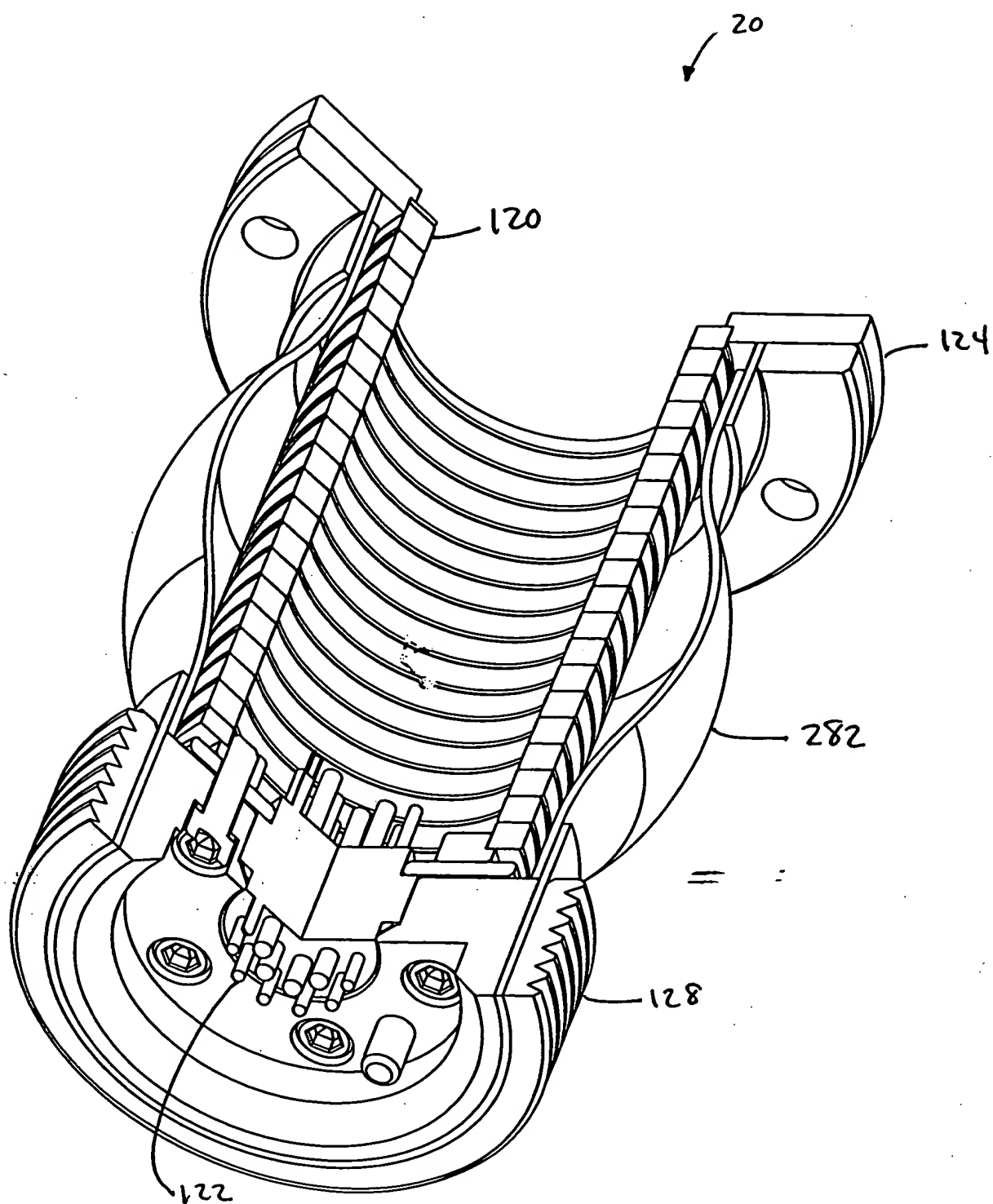


FIG. 30A



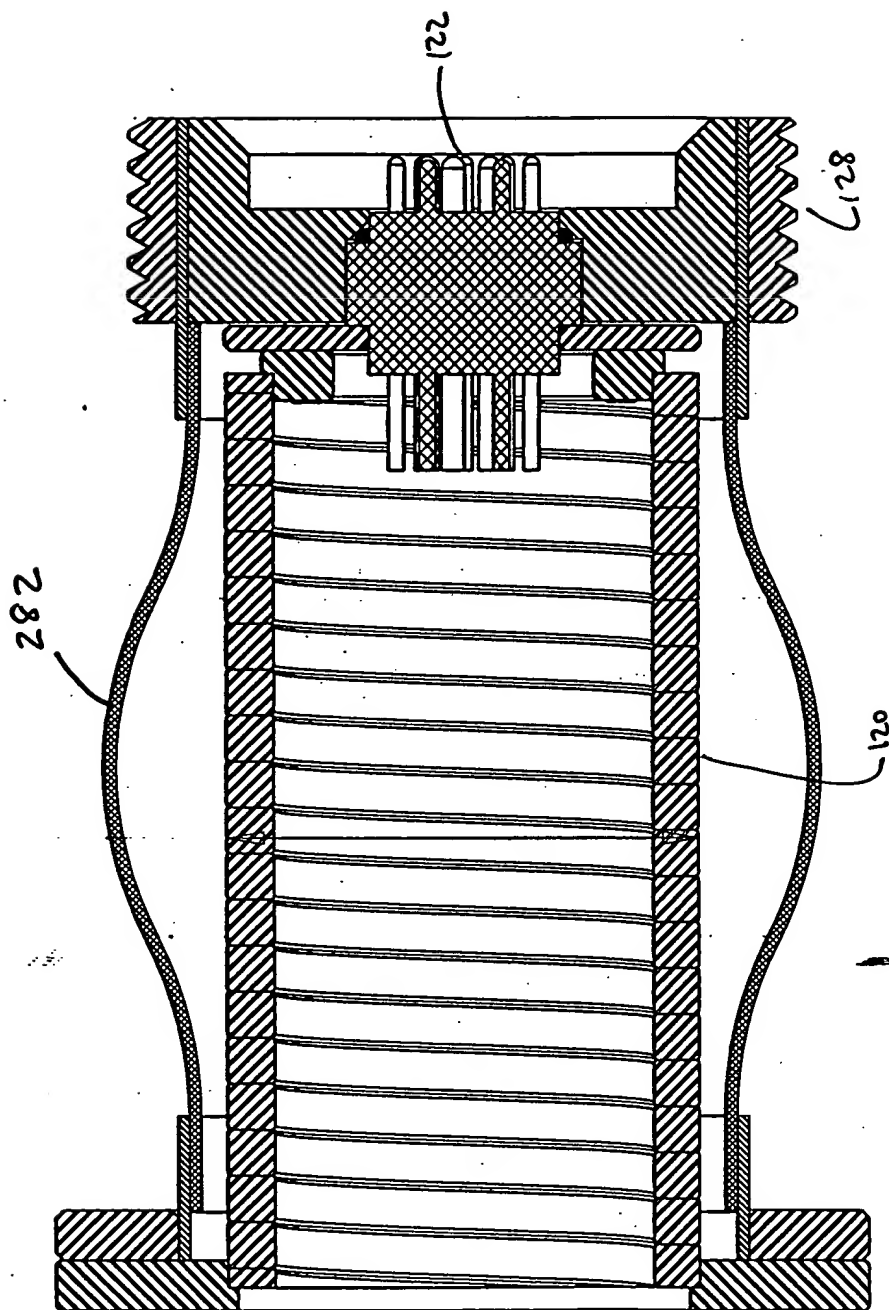


FIG. 30B

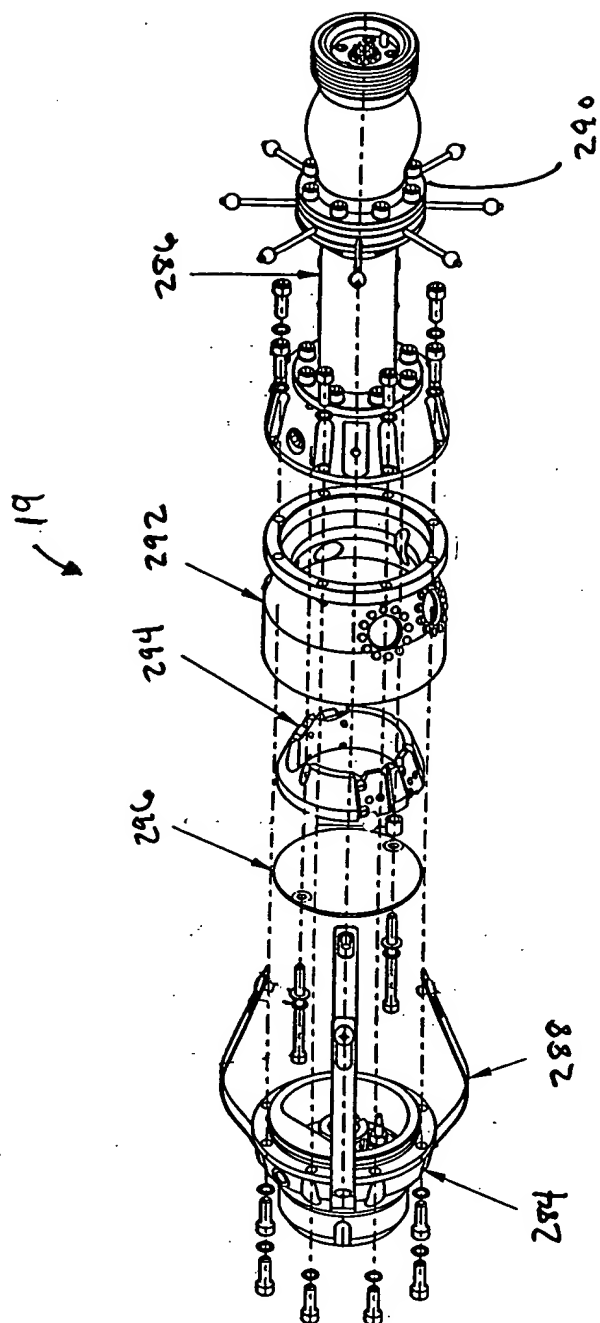


FIG. 30C

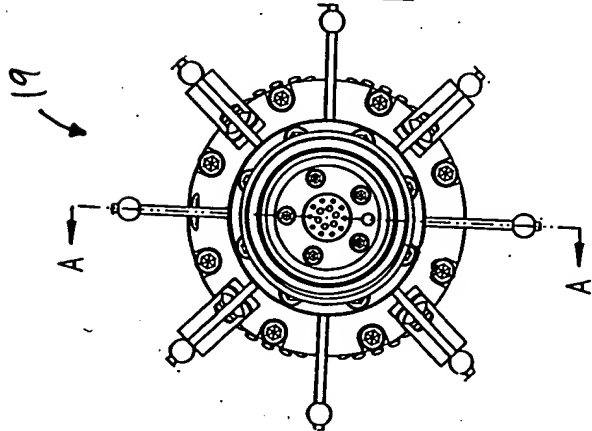


FIG. 30E

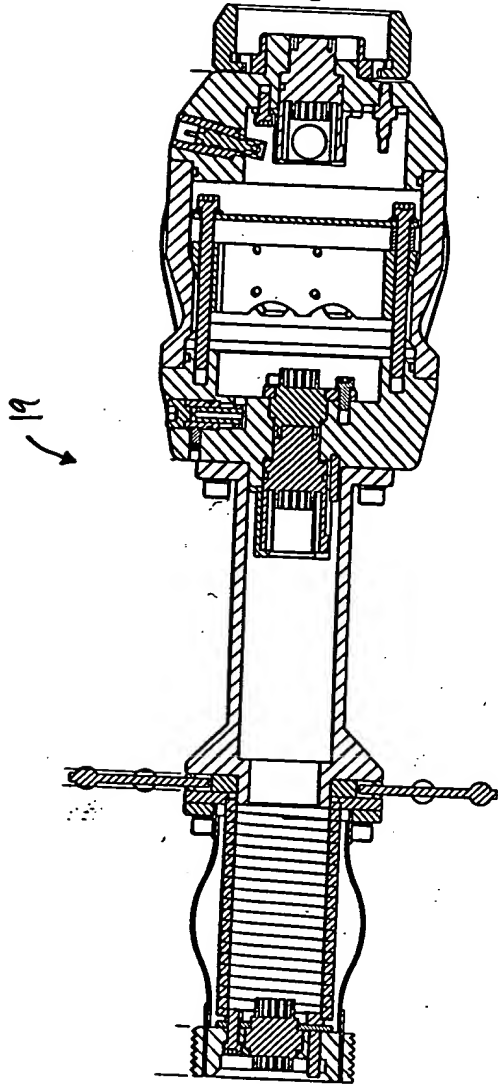


FIG. 30D

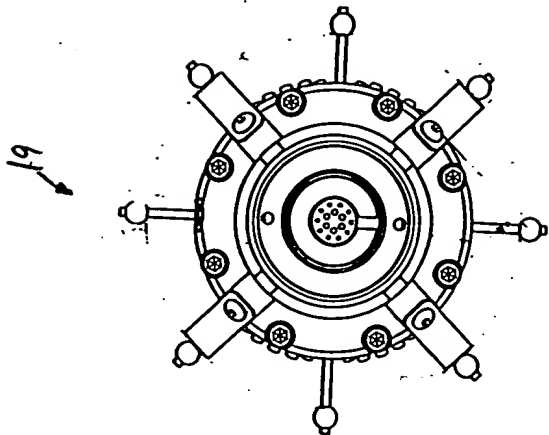


FIG. 30F

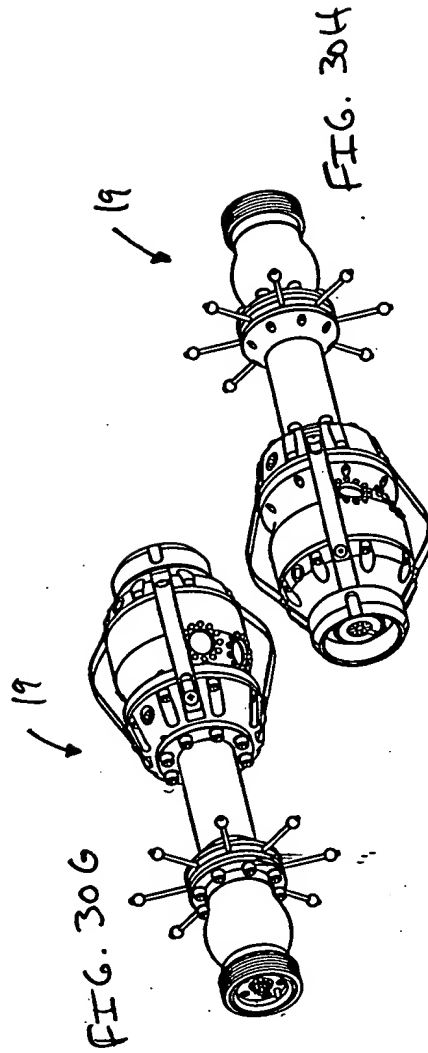
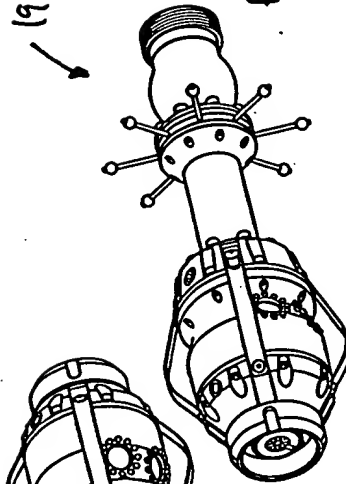


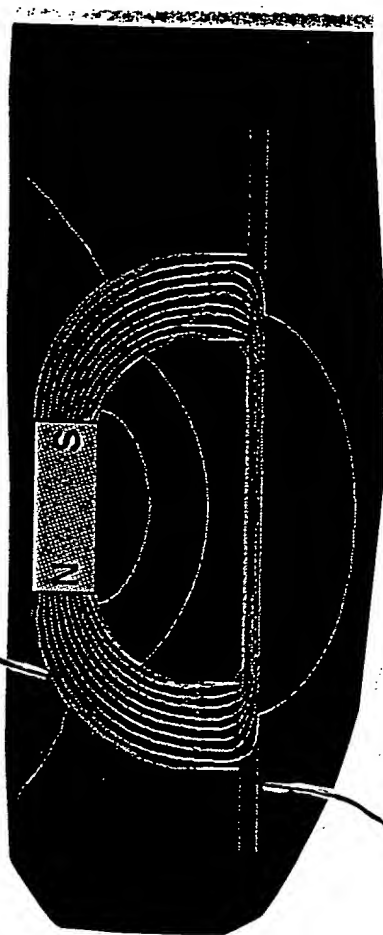
FIG. 30G

FIG. 30H



NOT TO SCALE

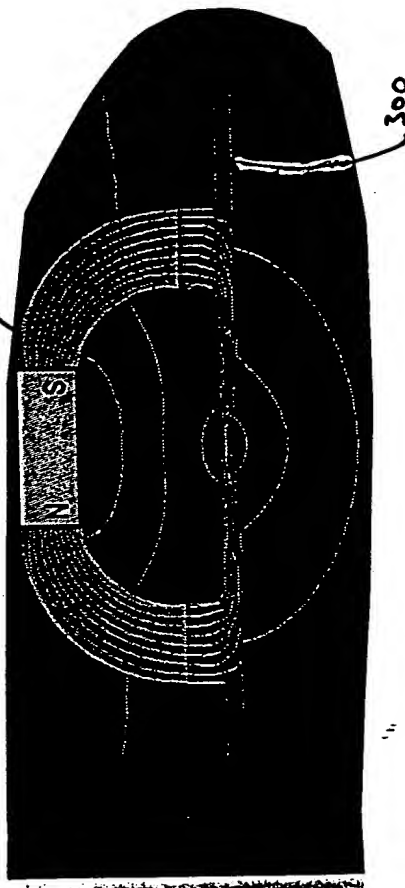
298



300

FIG. 30I

298



300

FIG. 30J

13

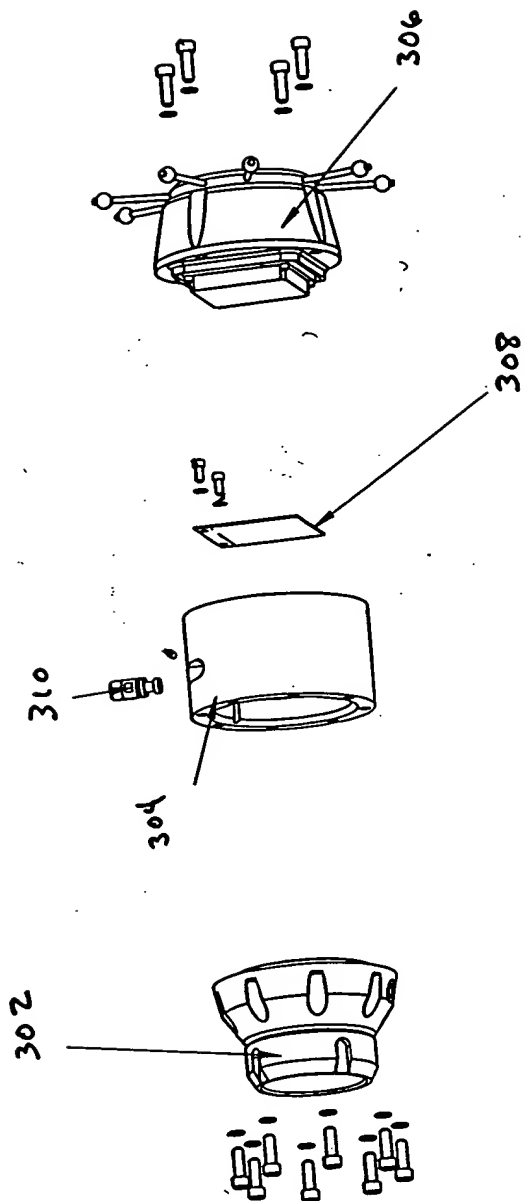


FIG. 30K

FIG. 30Q

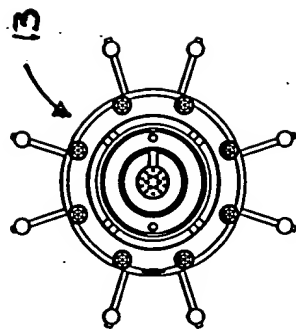
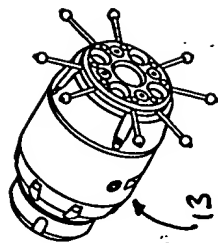


FIG. 30N

FIG. 30L

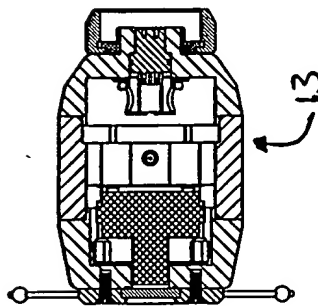
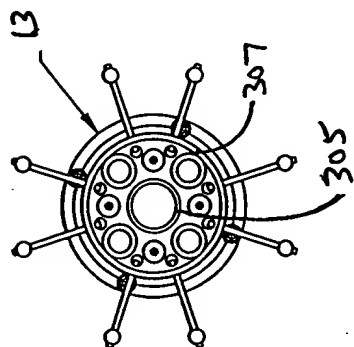


FIG. 30M



13

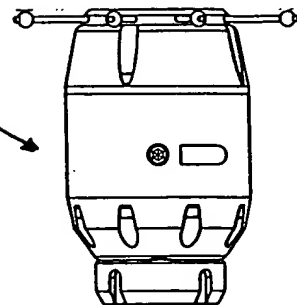
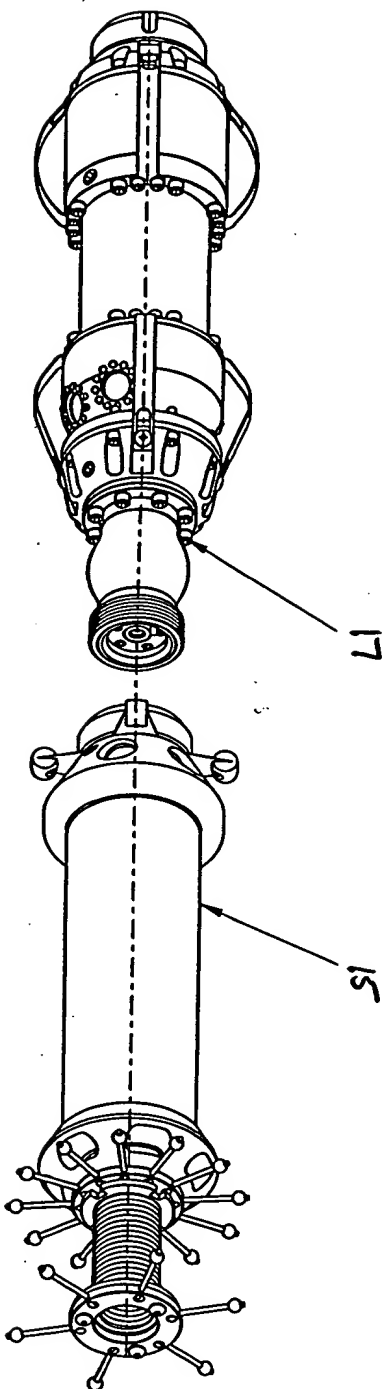


FIG. 30P

00542281-004400

FIG. 30R



18

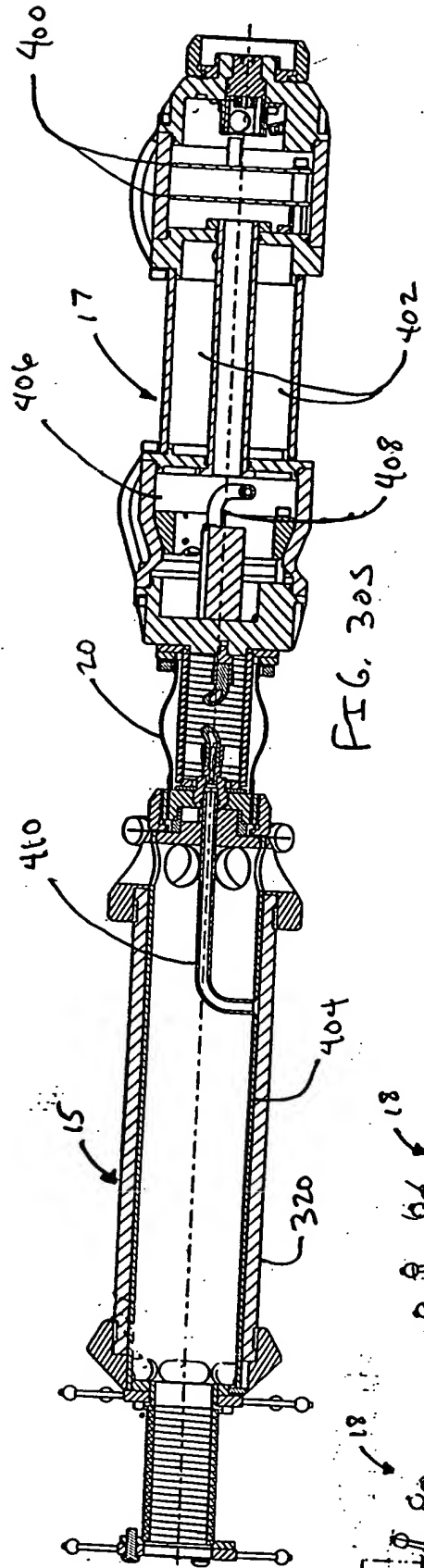


FIG. 30S

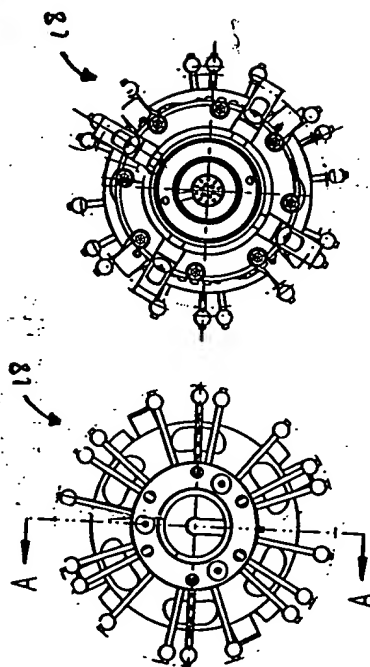


FIG. 30T

FIG. 30U

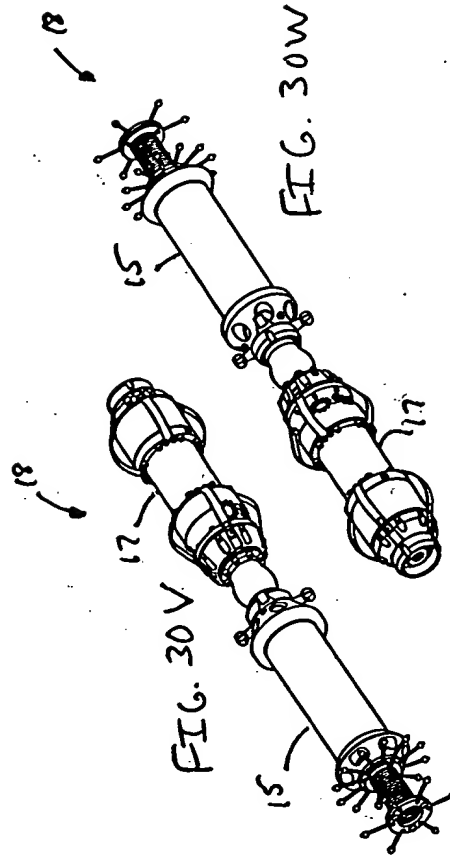


FIG. 30V

FIG. 30W



290

FIG. 30X

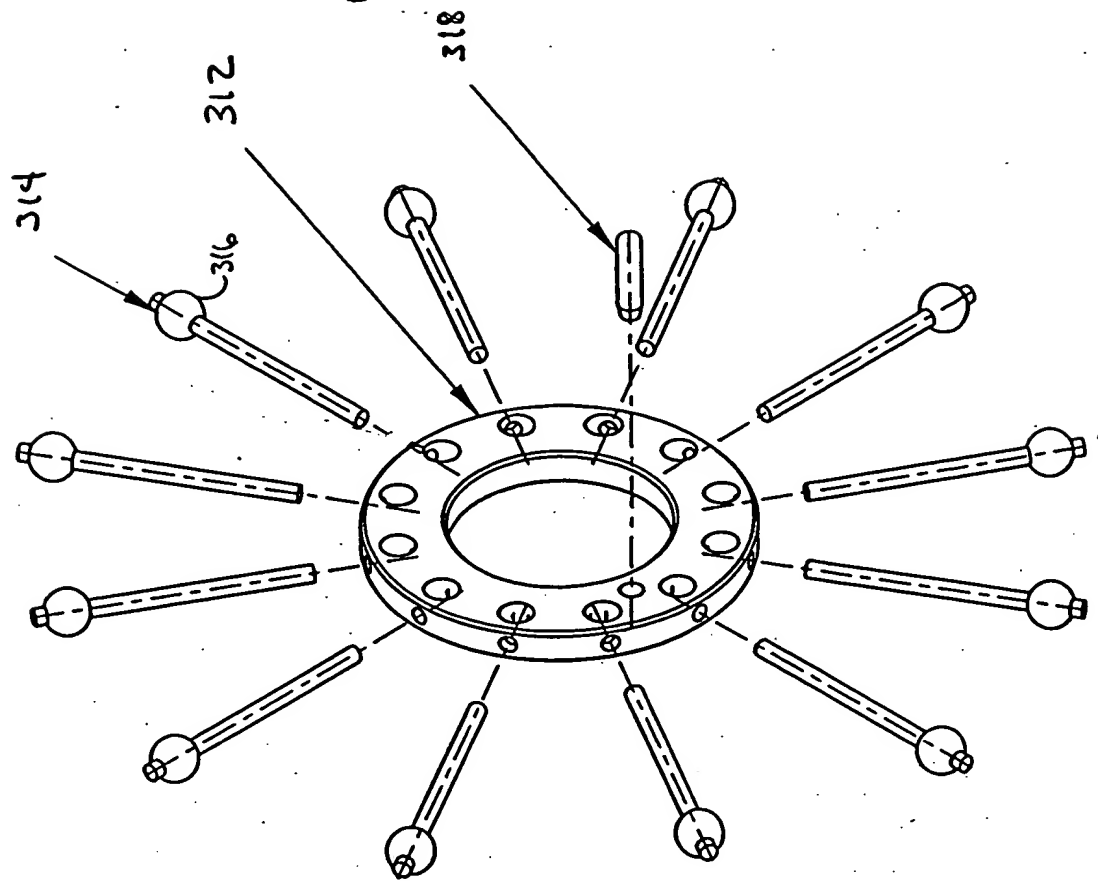


FIG. 30X

290

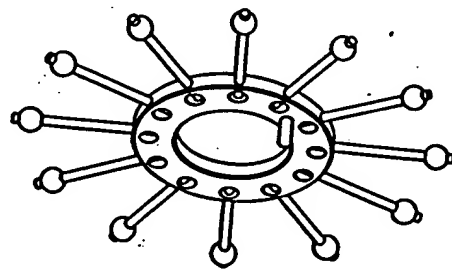


FIG. 30Z

290

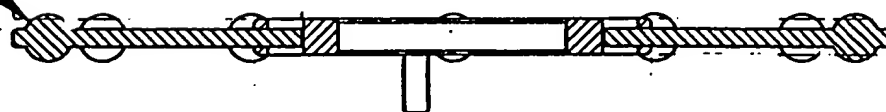


FIG. 30Y

UNITED STATES

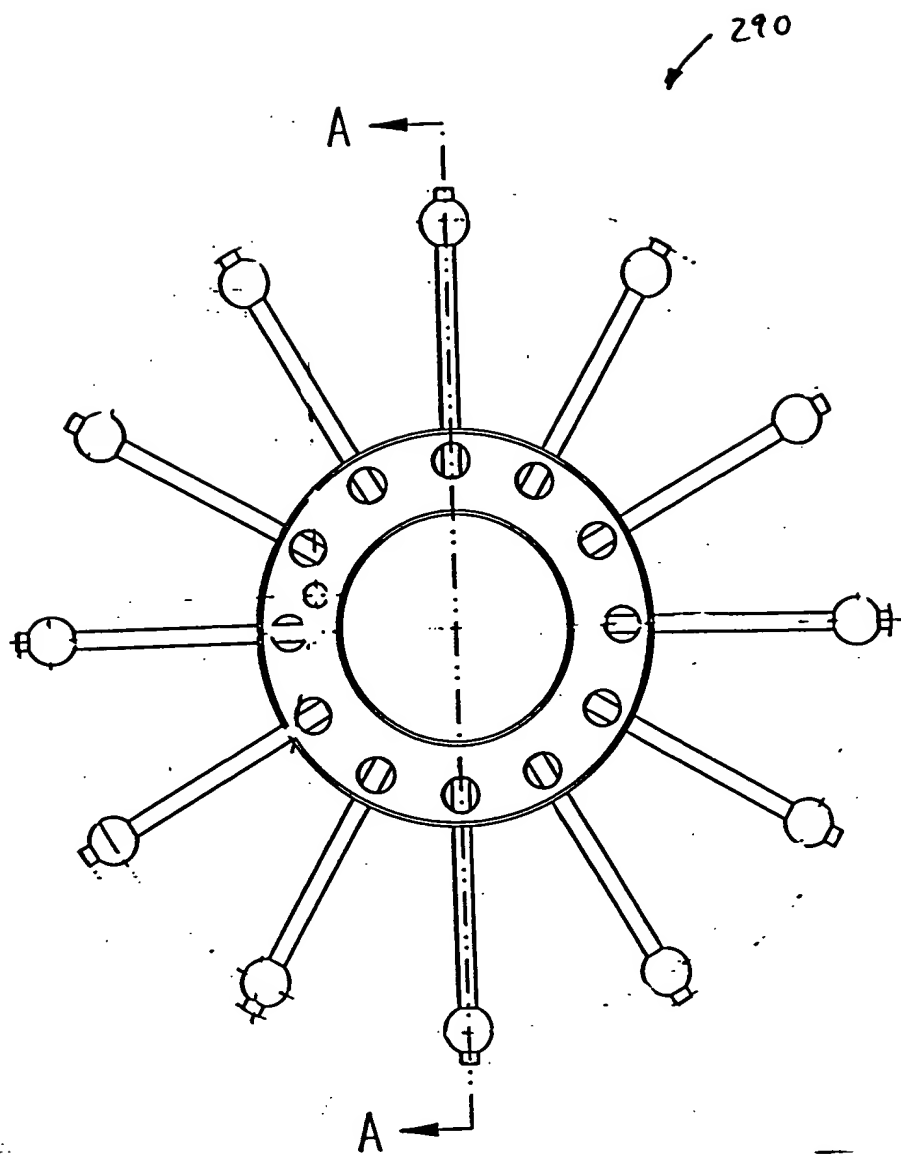


FIG. 30AA

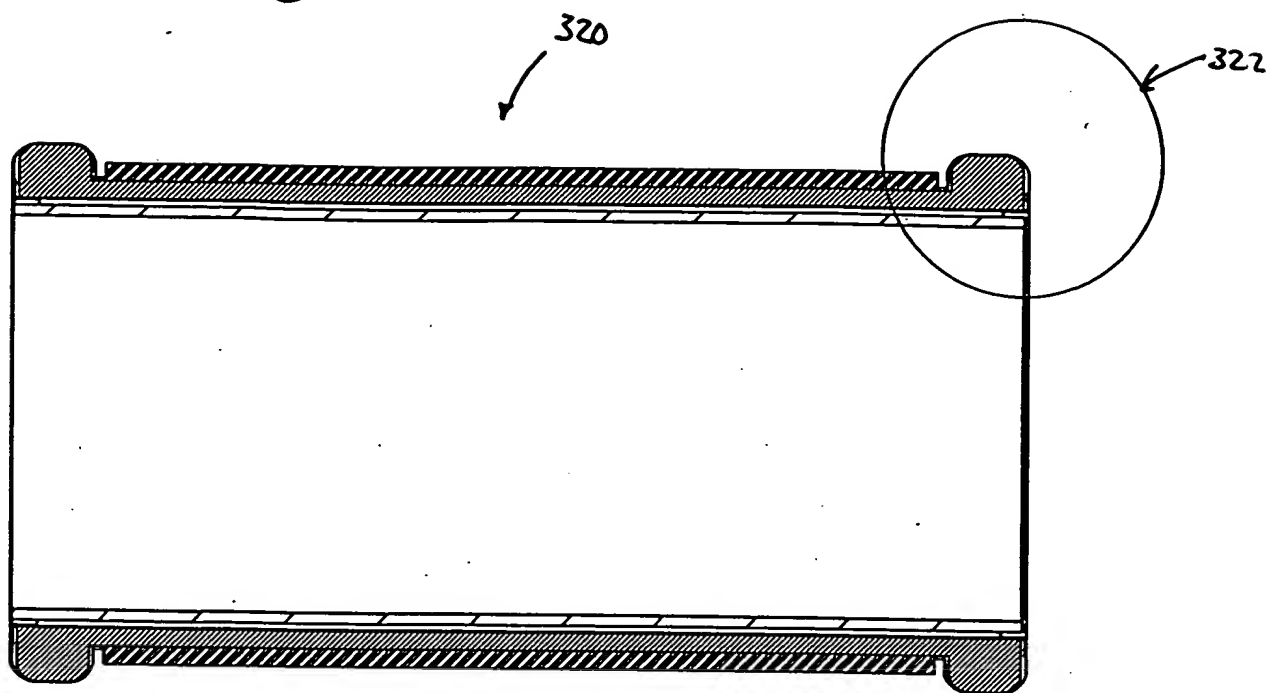


FIG. 30AB

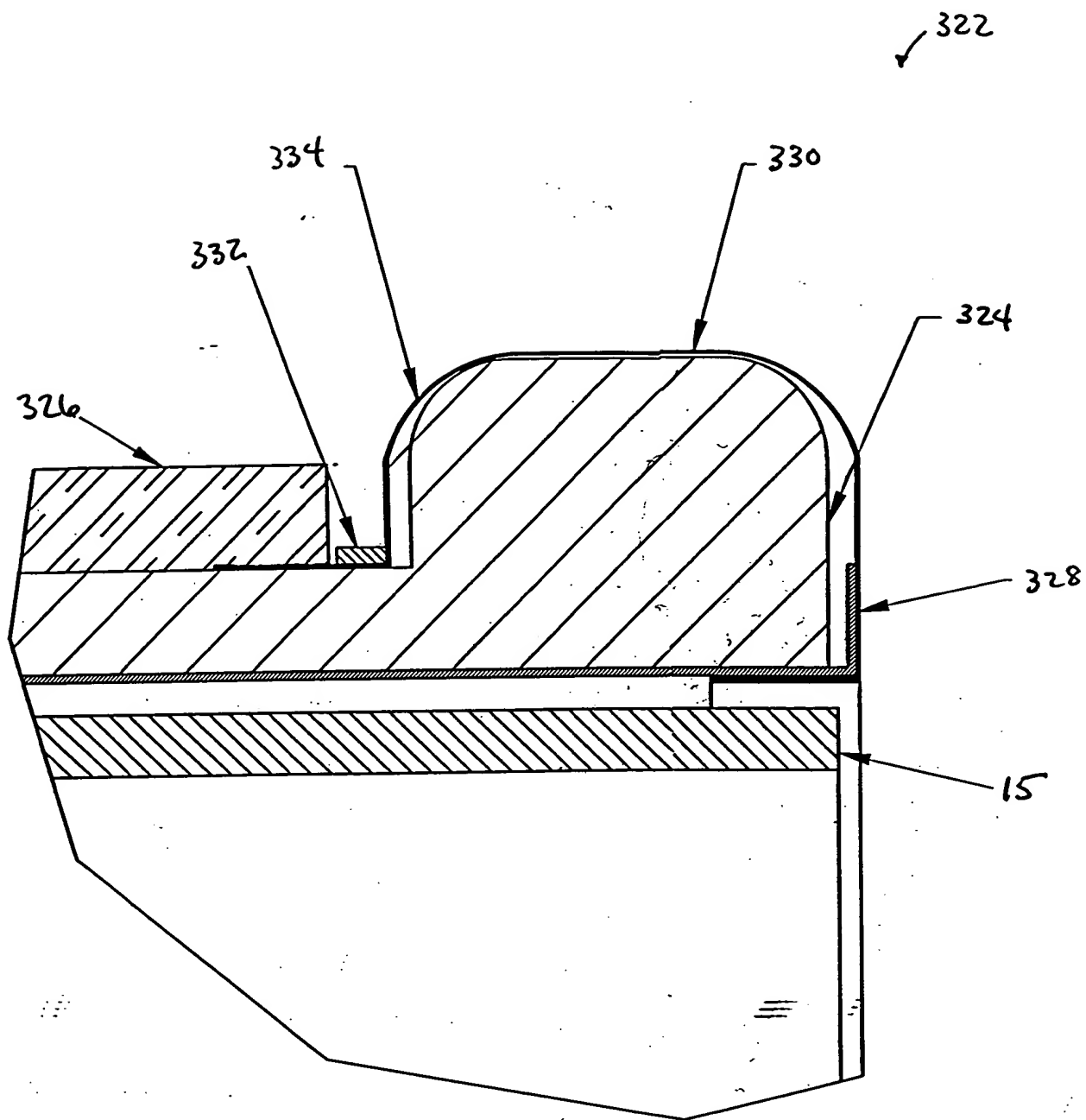


FIG. 30AC

OUTER PERIPHERY 38

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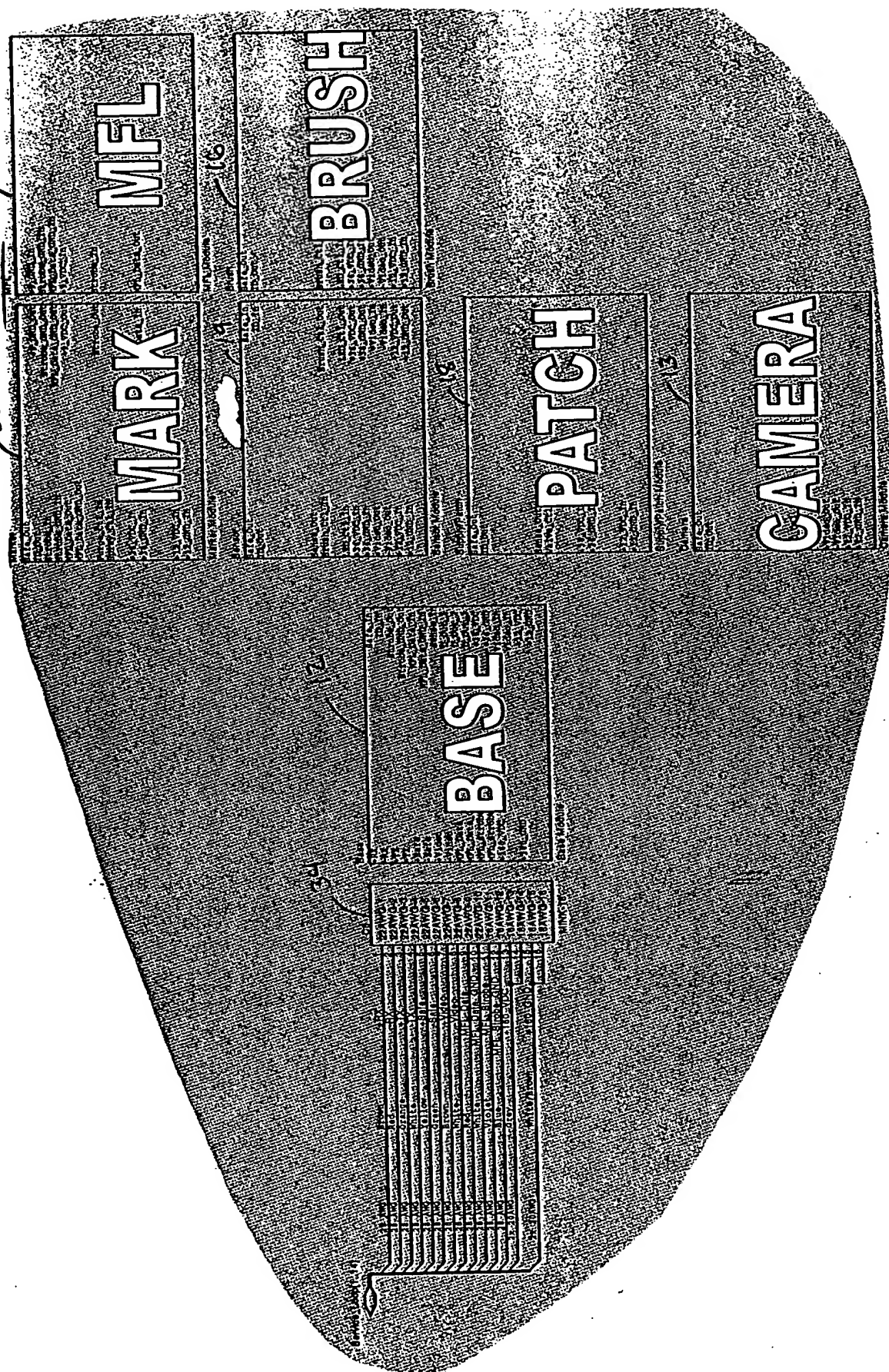


FIG. 30 AD

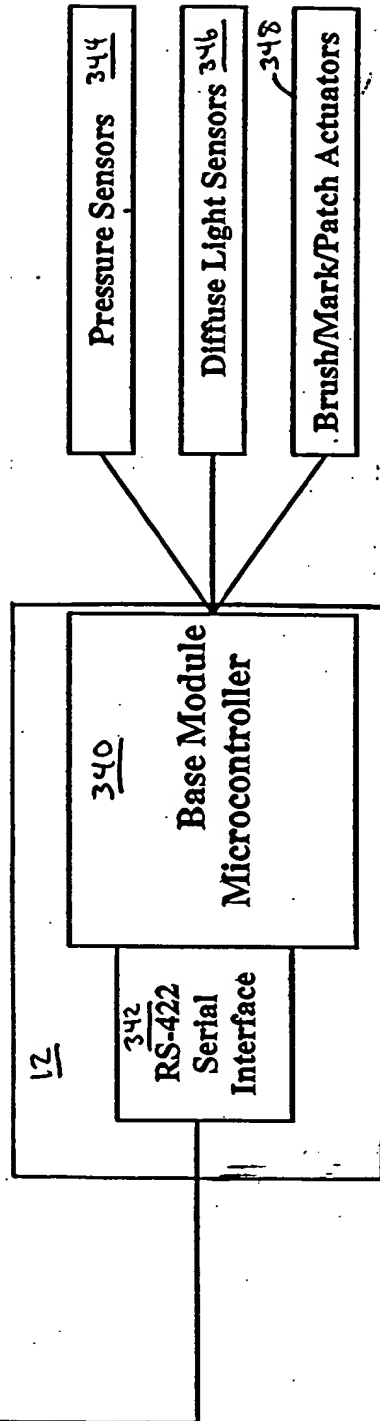
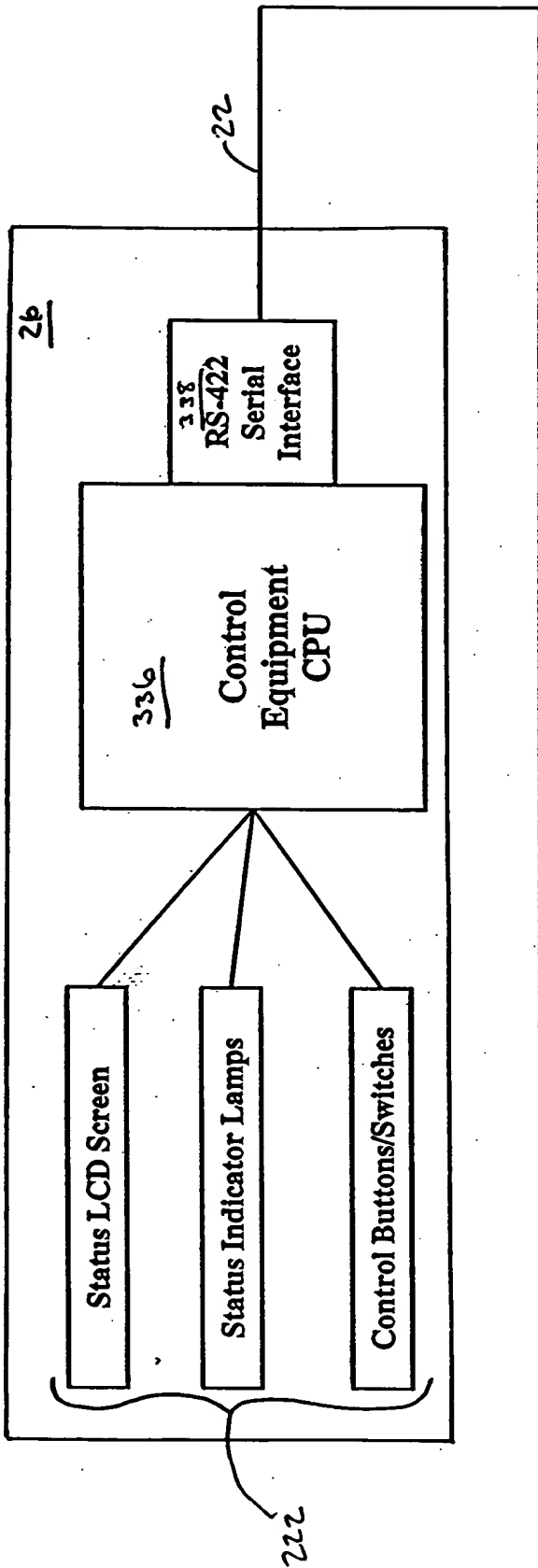
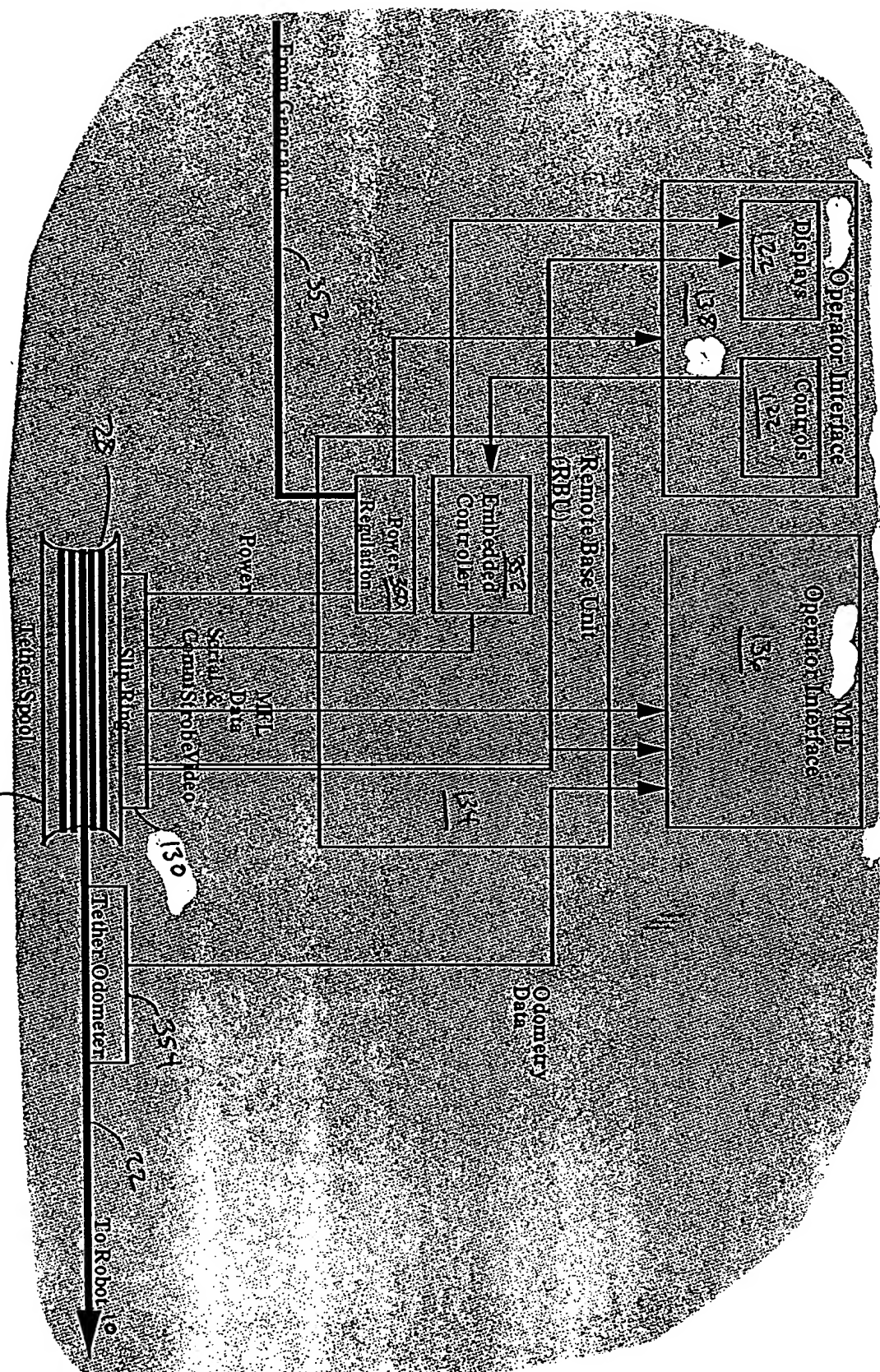


FIG. 30AE



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FIG. 31A

00547284-044400

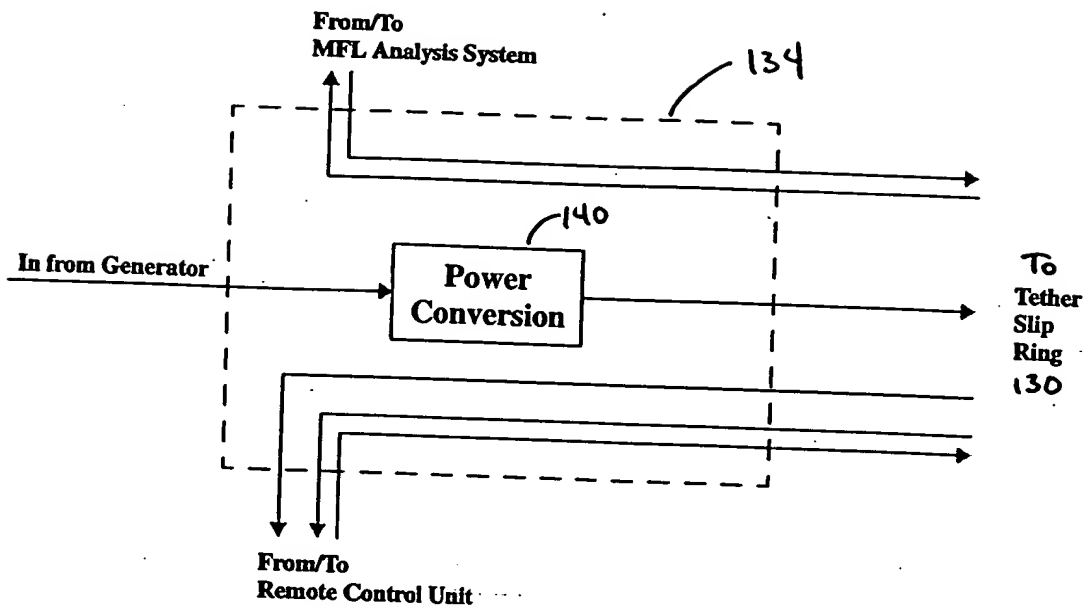


FIG. 32

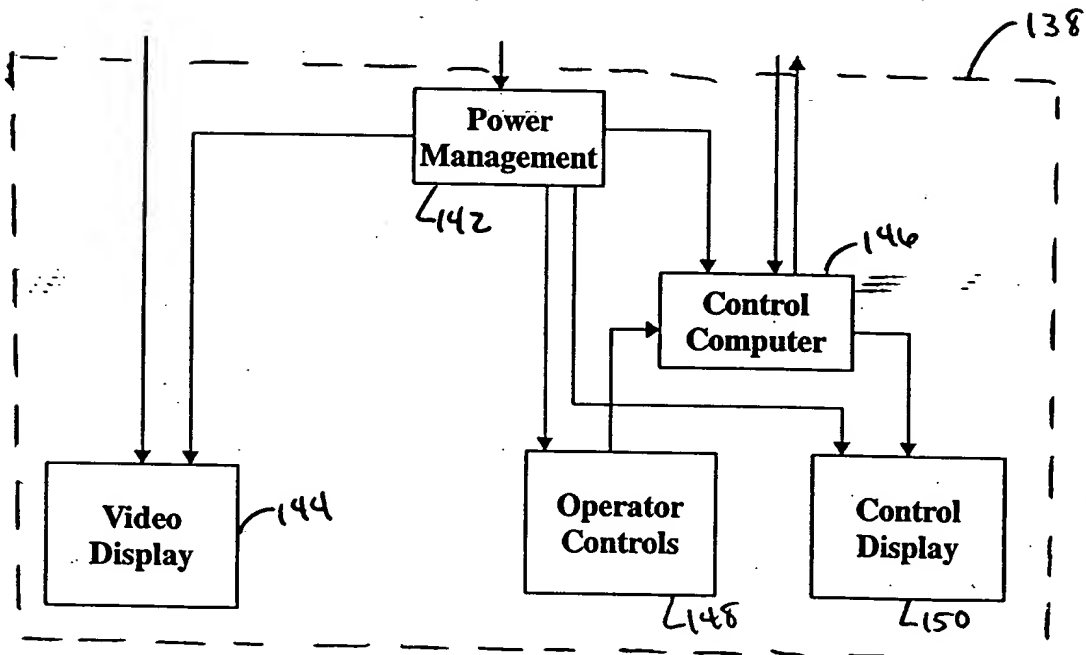


FIG. 33



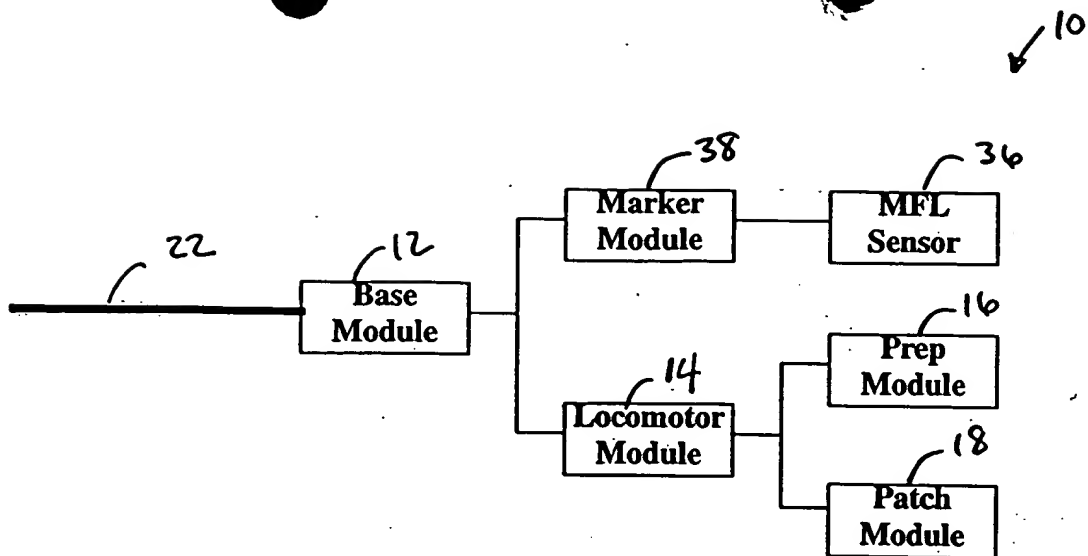


FIG. 34

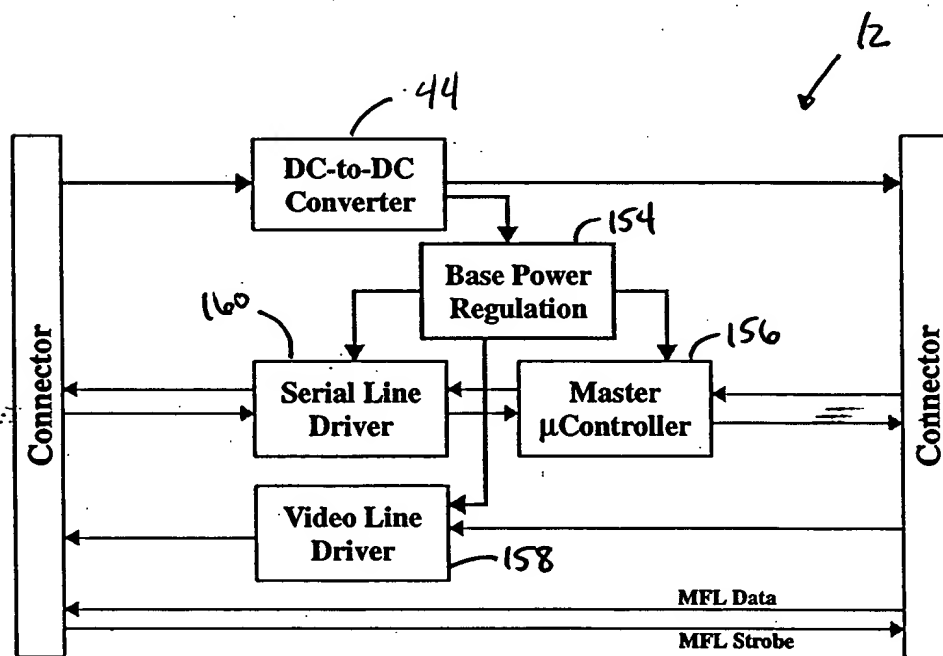


FIG. 35

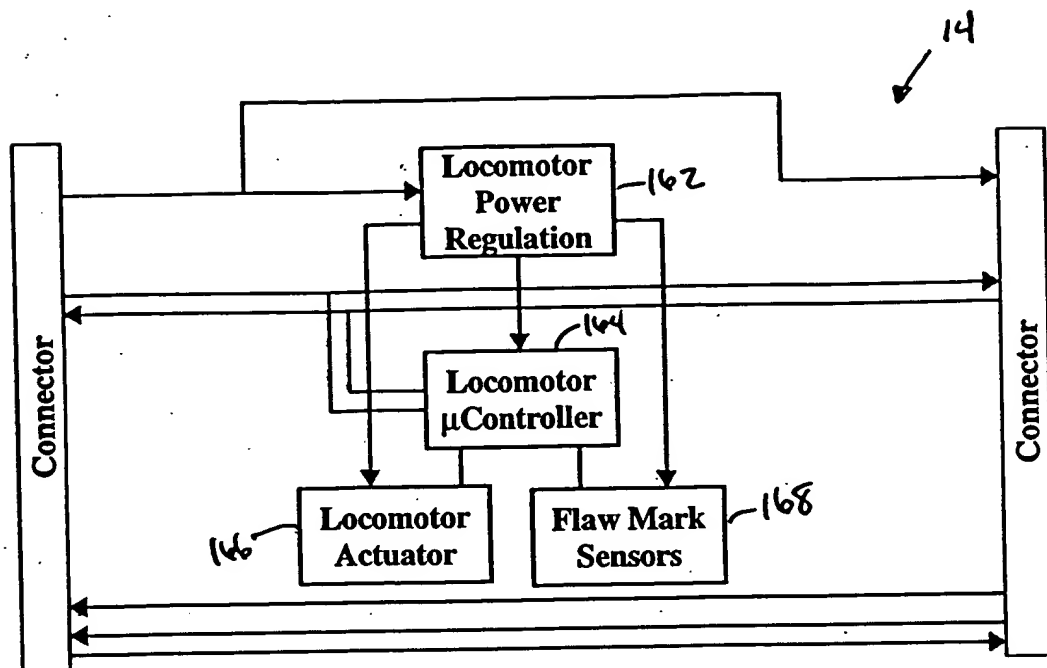


FIG. 36

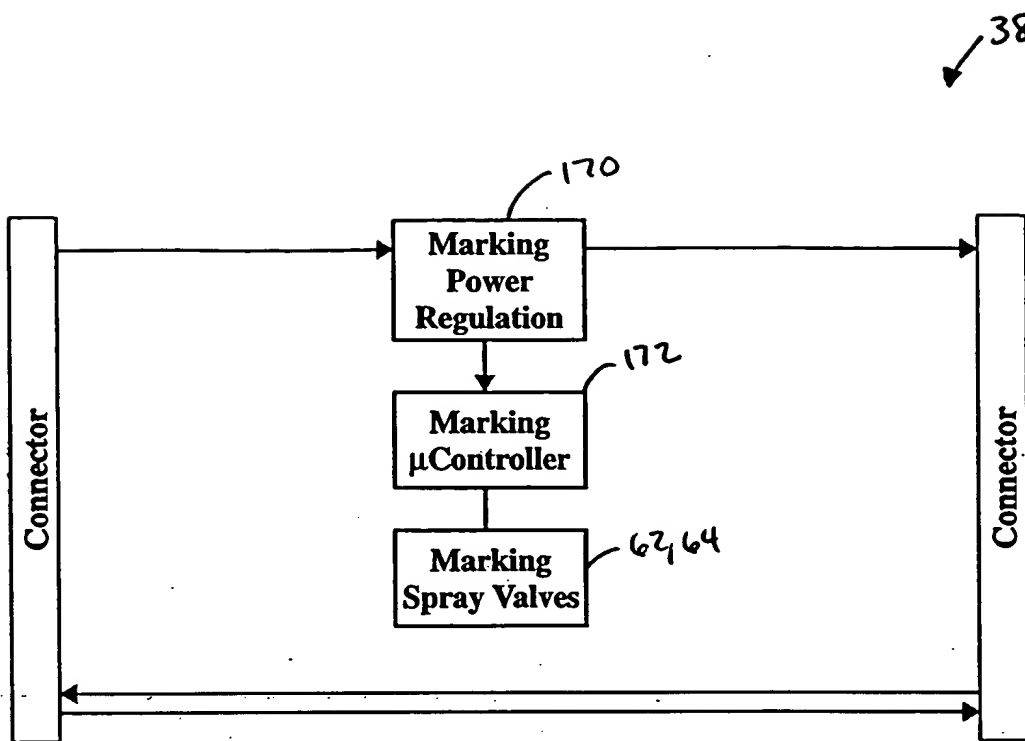


FIG. 37

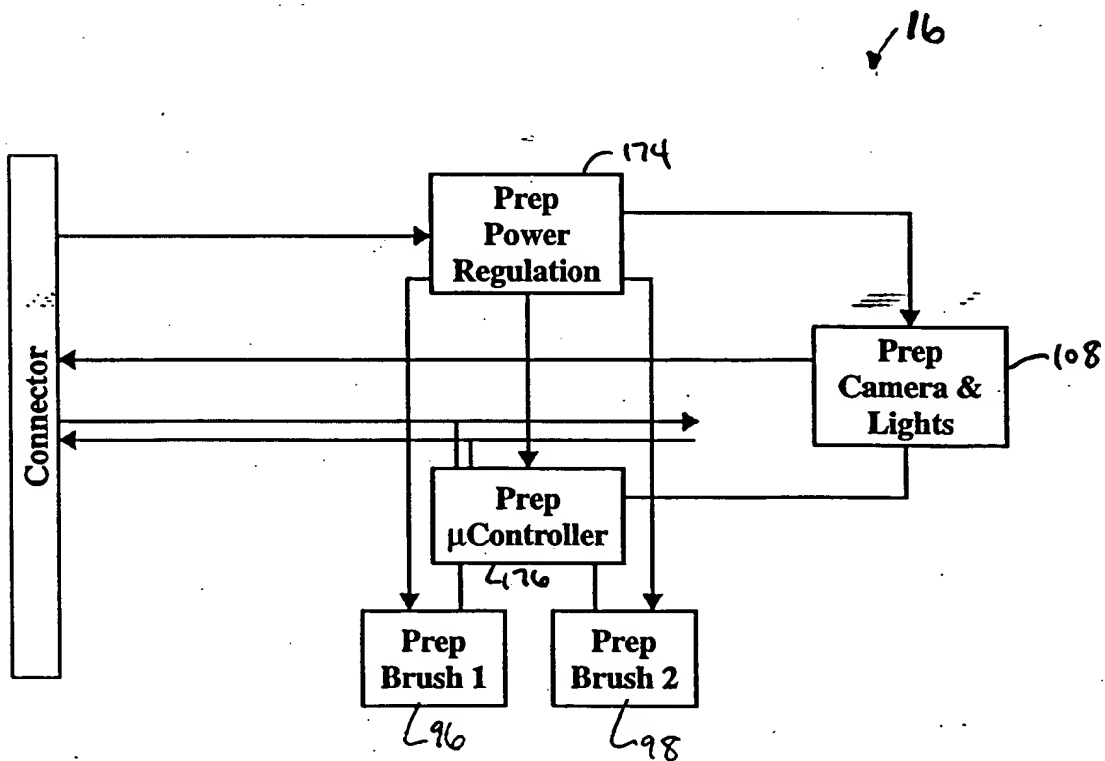


FIG. 38

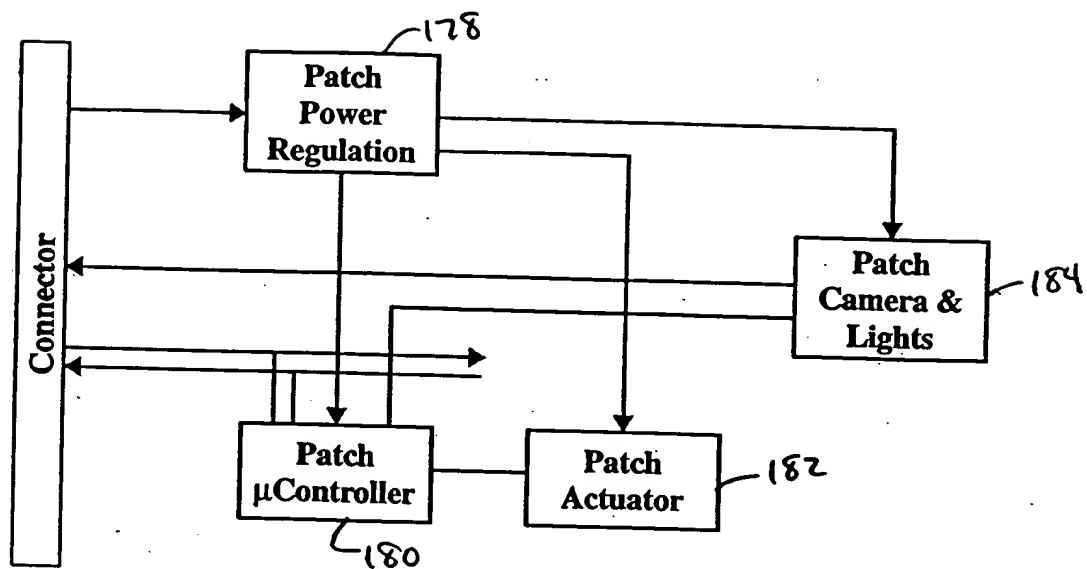


FIG. 39

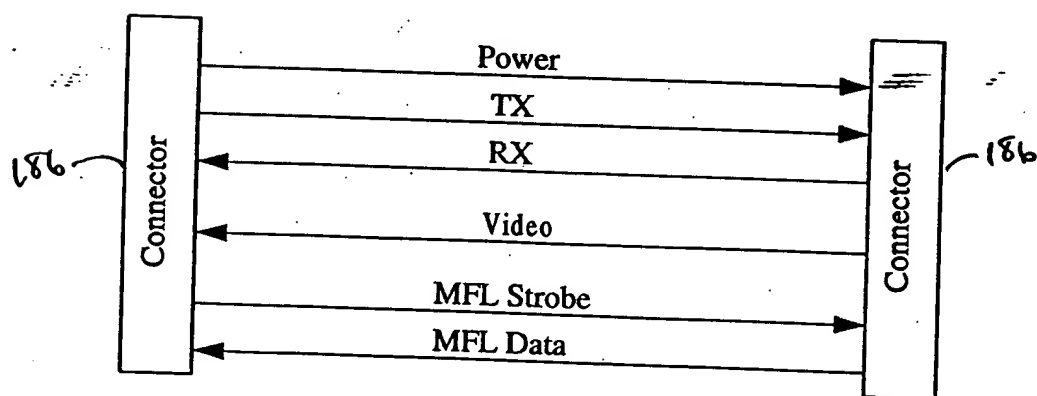


FIG. 40

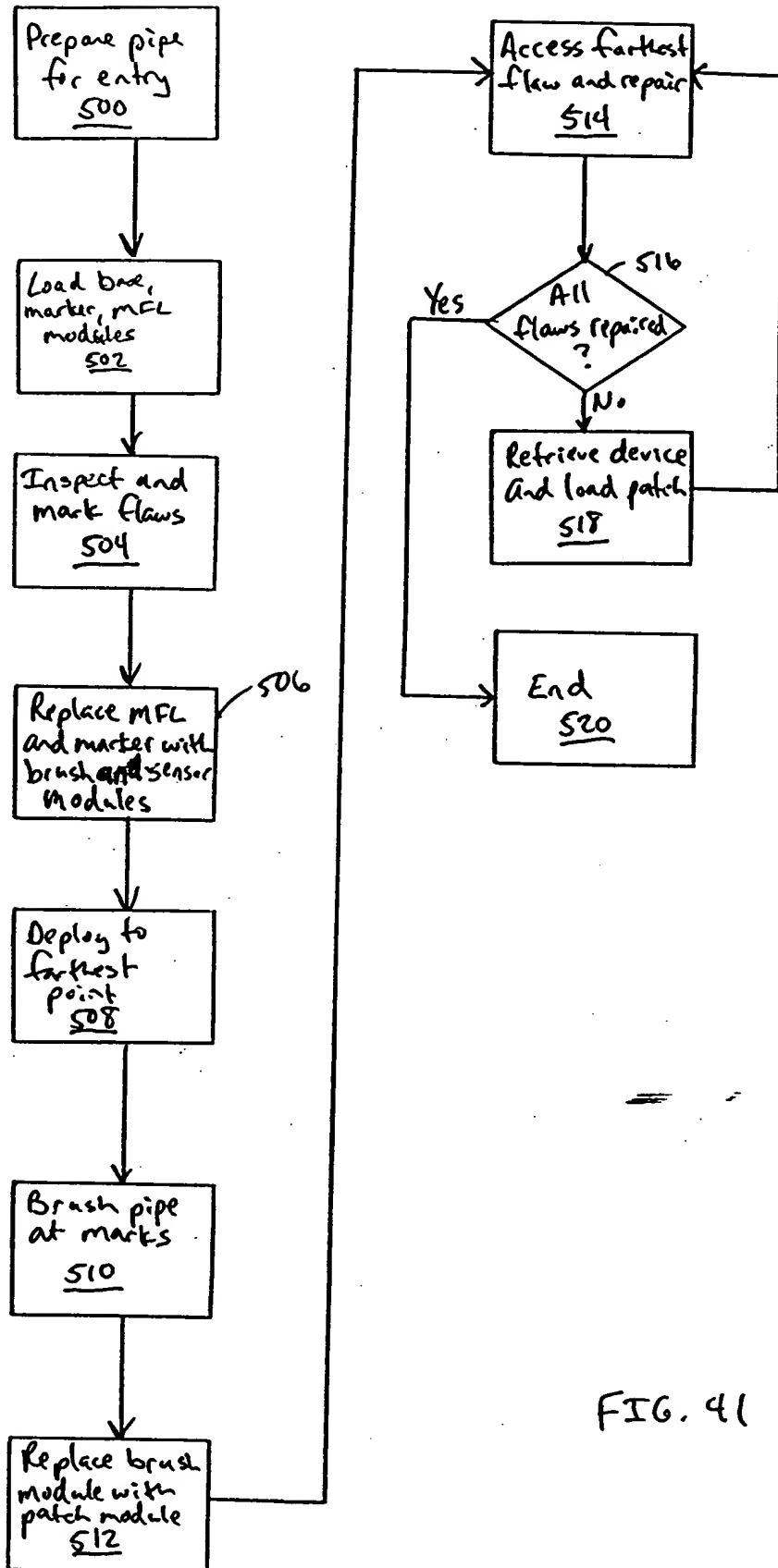


FIG. 41

FIG. 42

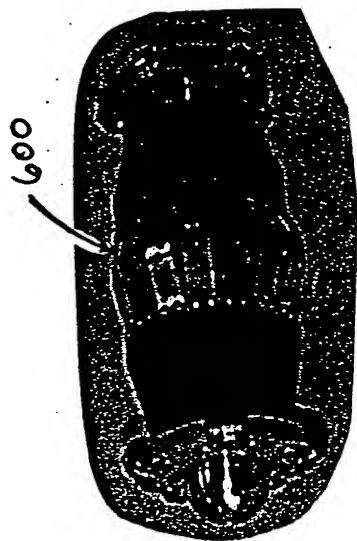
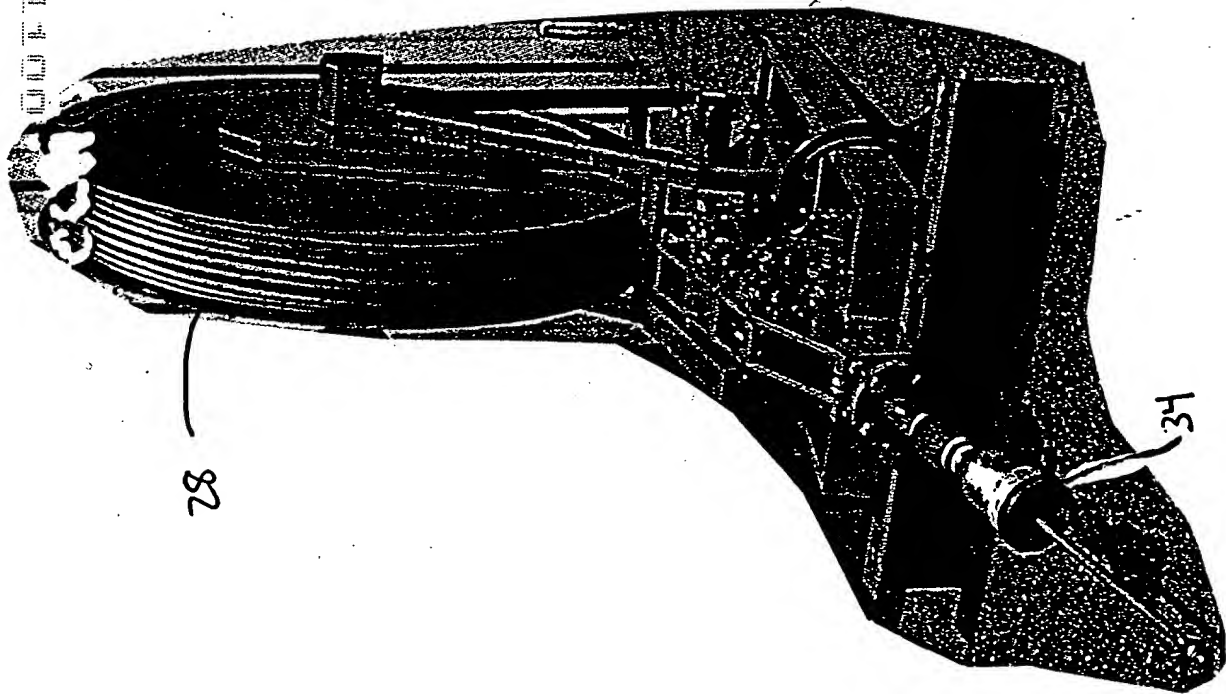


FIG. 43

FIG. 42